Illinois Environmental Protection Agency

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAP 372: IL 171 (1st Ave) from 47th St to 55th St Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):

Between 44th Street and 45th Place along Hinsdale Ave

City: Lyons State: IL Zip Code: _____

County: Cook Township: _____

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.810307655 (Decimal Degrees) Longitude: -87.834139223 (-Decimal Degrees)

Identify how the lat/long data were determined:

☒ GPS ☐ Map Interpolation ☐ Photo Interpolation ☐ Survey ☐ Other

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner		Site Operator	
Name:	Illinois Department of Transportation	Name:	Illinois Department of Transportation
Street Address:	201 West Center Court	Street Address:	201 West Center Court
PO Box:		PO Box:	
City:	Schaumburg State: IL	City:	Schaumburg State: IL
Zip Code:	60196-1096 Phone: 847-705-4101	Zip Code:	60196-1096 Phone: 847-705-4101
Contact:	Sam Mead	Contact:	Sam Mead
Email, if available:	Sam.Mead@illinois.gov	Email, if available:	Sam.Mead@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAP 372: IL 171 (1st Ave) from 47th St to 55th St

Latitude: 41.810307655 Longitude: -87.834139223

Uncontaminated Site Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

LOCATIONS RE2-1, RE2-2, AND RE2-3 WERE SAMPLED ADJACENT TO ISGS SITE No. 1860-2. SEE FIGURE 3-9 AND TABLE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201(g), 1100.205(a), 1100.610]:

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-74180-1

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Steven Gobelman, P.E., L.P.G (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman, P.E., L.P.G
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

6/12/14
Date:

P.E. or L.P.G. Seal:

STEVEN GOBELMAN
196-000598
LICENSED
PROFESSIONAL
GEOLOGIST
STATE OF ILLINOIS

Summary Table of ISGS Site No. 1860-2
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	RE2-1(0-2)-033114	RE2-2(0-4)-033114	RE2-3(0-4)-033114	Soil Reference Concentrations[A]
Sample Date	3/31/2014	3/31/2014	3/31/2014	
Location ID	RE2-1	RE2-2	RE2-3	
ISGS Site No.	1860-2	1860-2	1860-2	
Depth	0 - 2	0 - 4	0 - 4	
Parameter				
Laboratory pH (s.u.)	7.97	8.48	8.95	<6.25,>9.0
VOCs (ug/kg)	None Detected			
SVOCs (ug/kg)				
2-Methylnaphthalene	ND	29 J	ND	---
Acenaphthene	ND	7.9 J	ND	570000
Acenaphthylene	ND	11 J	ND	85000
Anthracene	ND	40	330	1.20E+07
Benzo(a)anthracene	150 J	190	960	900 / 1100 / 1800
Benzo(a)pyrene	230	200	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	240	300	ND	900 / 1500 / 2100
Benzo(g,h,i)perylene	210	190	ND	2300000
Benzo(k)fluoranthene	120 J	100	ND	9000
bis(2-Ethylhexyl)phthalate	3300	ND	ND	46000
Chrysene	180	240	1100	88000
Dibenzo(a,h)anthracene	130 J	52	ND	90 / 200 / 420
Dibenzofuran	ND	ND	250 J	---
Fluoranthene	240	470	2400	3100000
Fluorene	ND	9.4 J	250	560000
Indeno(1,2,3-cd)pyrene	170 J	150	ND	900 / 900 / 1600
Naphthalene, SVOC	ND	9.5 J	ND	1800
Phenanthrene	110 J	220	3100	210000
Pyrene	250	380	2000	2300000
Total Metals (mg/kg)				
Arsenic, Total	5.9 J+	6.4 J+	7.2 J+	11.3 / 13
Barium, Total	58	74	71	1500
Beryllium, Total	0.51 J	0.53 J	0.68 J	22
Cadmium, Total	0.66	0.79	0.59	5.2
Calcium, Total	50000 J	69000 J	18000 J	---
Chromium, Total	16	16	19	21
Cobalt, Total	8.2	7.7	8.5	20
Copper, Total	21 B	26 B	23 B	2900
Iron, Total	16000 B	14000 B	19000 B	15000 / 15900
Lead, Total	19 J	51 J	18 J	107
Magnesium, Total	26000 J	27000 J	13000 J	325000
Manganese, Total	360	350	240	630 / 636
Mercury, Total	0.035 J+	0.044 J+	0.048 J+	0.89
Nickel, Total	20 J-	24 J-	23 J-	100
Potassium, Total	2700 J	1700 J	1800 J	---
Silver, Total	ND	0.024 J	ND	4.4
Sodium, Total	820	2400	2100	---
Thallium, Total	0.22 J	ND	ND	2.6
Vanadium, Total	20	20	23	550
Zinc, Total	43 J	59 J	49 J	5100
TCLP Metals (mg/l)				
Barium, TCLP	0.44 J	0.48 J	0.61	2
Copper, TCLP	0.017 J	0.015 J	0.011 J	0.65
Manganese, TCLP	0.73	0.7	0.32	0.15
Nickel, TCLP	ND	0.013 J	ND	0.1
Zinc, TCLP	0.14	0.073 J	0.12	5
SPLP Metals (mg/l)				
Arsenic, SPLP	ND	0.022 J	0.042 J	0.05
Barium, SPLP	ND	ND	1 B	2
Beryllium, SPLP	ND	ND	0.0065	0.004
Chromium, SPLP	0.025	0.067	0.19	0.1
Cobalt, SPLP	ND	0.022 J	0.036	1
Copper, SPLP	ND	0.089 B	0.18 B	0.65
Iron, SPLP	18	51	160	5
Lead, SPLP	0.027	0.094	0.076	0.0075
Manganese, SPLP	0.12	0.35	0.59	0.15
Mercury, SPLP	ND	0.00011 J	0.00033	0.002
Nickel, SPLP	0.021 J	0.067	0.15	0.1
Zinc, SPLP	ND	ND	0.52 B	5

Summary Table of ISGS Site No. 1860-2
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

Shaded values indicate concentration **exceeds** Reference Concentration.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-74180-1
Client Project/Site: IDOT - Lyons, McCook, Summit - 050

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar

Authorized for release by:
4/9/2014 4:15:50 PM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

Review your project results through TotalAccess

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Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client Sample ID: RE2-3(0-4)-033114
Date Collected: 03/31/14 09:10
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-3
Matrix: Solid
Percent Solids: 84.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.6	ug/Kg	☼		04/01/14 12:10	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		04/01/14 12:10	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/01/14 12:10	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		04/01/14 12:10	1
Bromomethane	<5.9	*	5.9	1.8	ug/Kg	☼		04/01/14 12:10	1
Carbon disulfide	<5.9		5.9	0.89	ug/Kg	☼		04/01/14 12:10	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		04/01/14 12:10	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		04/01/14 12:10	1
Chloroethane	<5.9	*	5.9	1.6	ug/Kg	☼		04/01/14 12:10	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		04/01/14 12:10	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		04/01/14 12:10	1
cis-1,2-Dichloroethene	<5.9		5.9	0.84	ug/Kg	☼		04/01/14 12:10	1
cis-1,3-Dichloropropene	<5.9		5.9	0.78	ug/Kg	☼		04/01/14 12:10	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/01/14 12:10	1
1,1-Dichloroethane	<5.9		5.9	0.94	ug/Kg	☼		04/01/14 12:10	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/01/14 12:10	1
1,1-Dichloroethene	<5.9		5.9	0.96	ug/Kg	☼		04/01/14 12:10	1
1,2-Dichloropropane	<5.9		5.9	0.90	ug/Kg	☼		04/01/14 12:10	1
1,3-Dichloropropene, Total	<5.9		5.9	0.78	ug/Kg	☼		04/01/14 12:10	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		04/01/14 12:10	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		04/01/14 12:10	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		04/01/14 12:10	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		04/01/14 12:10	1
methyl isobutyl ketone	<5.9		5.9	1.6	ug/Kg	☼		04/01/14 12:10	1
Methyl tert-butyl ether	<5.9		5.9	0.98	ug/Kg	☼		04/01/14 12:10	1
Styrene	<5.9		5.9	0.78	ug/Kg	☼		04/01/14 12:10	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		04/01/14 12:10	1
Tetrachloroethene	<5.9		5.9	0.91	ug/Kg	☼		04/01/14 12:10	1
Toluene	<5.9		5.9	0.83	ug/Kg	☼		04/01/14 12:10	1
trans-1,2-Dichloroethene	<5.9		5.9	0.82	ug/Kg	☼		04/01/14 12:10	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		04/01/14 12:10	1
1,1,1-Trichloroethane	<5.9		5.9	0.89	ug/Kg	☼		04/01/14 12:10	1
1,1,2-Trichloroethane	<5.9		5.9	0.81	ug/Kg	☼		04/01/14 12:10	1
Trichloroethene	<5.9		5.9	0.98	ug/Kg	☼		04/01/14 12:10	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		04/01/14 12:10	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		04/01/14 12:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 122*		*04/01/14 12:10*	*1*
Dibromofluoromethane	*111*		*75 - 120*		*04/01/14 12:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 134*		*04/01/14 12:10*	*1*
Toluene-d8 (Surr)	*96*		*75 - 122*		*04/01/14 12:10*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<960		960	210	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
1,2-Dichlorobenzene	<960		960	230	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
1,3-Dichlorobenzene	<960		960	220	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
1,4-Dichlorobenzene	<960		960	250	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
2,2'-oxybis[1-chloropropane]	<960		960	220	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: RE2-3(0-4)-033114
Date Collected: 03/31/14 09:10
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-3
Matrix: Solid
Percent Solids: 84.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1900		1900	440	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
2,4,6-Trichlorophenol	<1900		1900	660	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
2,4-Dichlorophenol	<1900		1900	450	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
2,4-Dimethylphenol	<1900		1900	730	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
2,4-Dinitrophenol	<3900		3900	3400	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
2,4-Dinitrotoluene	<960		960	300	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
2,6-Dinitrotoluene	<960		960	380	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
2-Chloronaphthalene	<960		960	210	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
2-Chlorophenol	<960		960	330	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
2-Methylnaphthalene	<190		190	35	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
2-Methylphenol	<960		960	310	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
2-Nitroaniline	<960		960	260	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
2-Nitrophenol	<1900		1900	450	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
3 & 4 Methylphenol	<960		960	320	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
3,3'-Dichlorobenzidine	<960		960	270	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
3-Nitroaniline	<1900		1900	590	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
4,6-Dinitro-2-methylphenol	<1900		1900	1500	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
4-Bromophenyl phenyl ether	<960		960	250	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
4-Chloro-3-methylphenol	<1900		1900	650	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
4-Chloroaniline	<3900		3900	900	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
4-Chlorophenyl phenyl ether	<960		960	220	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
4-Nitroaniline	<1900		1900	800	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
4-Nitrophenol	<3900		3900	1800	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Acenaphthene	<190		190	34	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Acenaphthylene	<190		190	25	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Anthracene	**330**		190	32	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Benzo[a]anthracene	**960**		190	26	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Benzo[a]pyrene	<190		190	37	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Benzo[b]fluoranthene	<190		190	41	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Benzo[g,h,i]perylene	<190		190	62	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Benzo[k]fluoranthene	<190		190	56	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Bis(2-chloroethoxy)methane	<960		960	200	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Bis(2-chloroethyl)ether	<960		960	290	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Bis(2-ethylhexyl) phthalate	<960		960	350	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Butyl benzyl phthalate	<960		960	360	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Carbazole	<960		960	490	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Chrysene	**1100**		190	52	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Dibenz(a,h)anthracene	<190		190	37	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Dibenzofuran	**250**	**J**	960	220	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Diethyl phthalate	<960		960	320	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Dimethyl phthalate	<960		960	250	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Di-n-butyl phthalate	<960		960	290	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Di-n-octyl phthalate	<960		960	310	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Fluoranthene	**2400**		190	35	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Fluorene	**250**		190	27	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Hexachlorobenzene	<390		390	44	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Hexachlorobutadiene	<960		960	300	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Hexachlorocyclopentadiene	<3900		3900	1100	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Hexachloroethane	<960		960	290	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: RE2-3(0-4)-033114
Date Collected: 03/31/14 09:10
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-3
Matrix: Solid
Percent Solids: 84.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<190		190	50	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Isophorone	<960		960	210	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Naphthalene	<190		190	29	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Nitrobenzene	<190		190	48	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
N-Nitrosodi-n-propylamine	<960		960	230	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
N-Nitrosodiphenylamine	<960		960	230	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Pentachlorophenol	<3900		3900	3100	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Phenanthrene	**3100**		190	27	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Phenol	<960		960	420	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5
Pyrene	**2000**		190	38	ug/Kg	☼	04/01/14 06:56	04/07/14 11:27	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*66*		*35 - 137*	*04/01/14 06:56*	*04/07/14 11:27*	*5*
2-Fluorobiphenyl	*51*		*25 - 119*	*04/01/14 06:56*	*04/07/14 11:27*	*5*
2-Fluorophenol	*54*		*25 - 110*	*04/01/14 06:56*	*04/07/14 11:27*	*5*
Nitrobenzene-d5	*47*		*25 - 115*	*04/01/14 06:56*	*04/07/14 11:27*	*5*
Phenol-d5	*53*		*31 - 110*	*04/01/14 06:56*	*04/07/14 11:27*	*5*
Terphenyl-d14	*78*		*36 - 134*	*04/01/14 06:56*	*04/07/14 11:27*	*5*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 16:21	1
Barium	**0.61**		0.50	0.050	mg/L		04/03/14 08:15	04/03/14 16:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/14 08:15	04/03/14 16:21	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/14 08:15	04/03/14 16:21	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:21	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:21	1
Copper	**0.011**	**J**	0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:21	1
Iron	<0.20		0.20	0.20	mg/L		04/03/14 08:15	04/03/14 16:21	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/14 08:15	04/03/14 16:21	1
Manganese	**0.32**		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:21	1
Nickel	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:21	1
Selenium	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 16:21	1
Silver	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:21	1
Zinc	**0.12**		0.10	0.020	mg/L		04/03/14 08:15	04/03/14 16:21	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.042**	**J**	0.050	0.010	mg/L		04/02/14 09:15	04/03/14 12:46	1
Barium	**1.0**	**B**	0.50	0.050	mg/L		04/02/14 09:15	04/03/14 12:46	1
Beryllium	**0.0065**		0.0040	0.0040	mg/L		04/02/14 09:15	04/03/14 12:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/02/14 09:15	04/03/14 12:46	1
Chromium	**0.19**		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 12:46	1
Cobalt	**0.036**		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 12:46	1
Copper	**0.18**	**B**	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 12:46	1
Iron	**160**		0.20	0.20	mg/L		04/02/14 09:15	04/03/14 12:46	1
Lead	**0.076**		0.0075	0.0075	mg/L		04/02/14 09:15	04/03/14 12:46	1
Manganese	**0.59**		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 12:46	1
Nickel	**0.15**		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 12:46	1
Selenium	<0.050		0.050	0.010	mg/L		04/02/14 09:15	04/03/14 12:46	1

Client Sample ID: RE2-3(0-4)-033114
Date Collected: 03/31/14 09:10
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-3
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 12:46	1
Zinc	**0.52**	**B**	0.10	0.020	mg/L		04/02/14 09:15	04/03/14 12:46	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.47	mg/Kg	☼	04/01/14 09:15	04/01/14 15:49	1
Arsenic	**7.2**		0.58	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 15:49	1
Barium	**71**		0.58	0.062	mg/Kg	☼	04/01/14 09:15	04/01/14 15:49	1
Beryllium	**0.68**		0.23	0.046	mg/Kg	☼	04/01/14 09:15	04/01/14 15:49	1
Cadmium	**0.59**		0.12	0.015	mg/Kg	☼	04/01/14 09:15	04/01/14 15:49	1
Calcium	**18000**	**B**	12	3.1	mg/Kg	☼	04/01/14 09:15	04/01/14 15:49	1
Chromium	**19**		0.58	0.067	mg/Kg	☼	04/01/14 09:15	04/01/14 15:49	1
Cobalt	**8.5**		0.29	0.058	mg/Kg	☼	04/01/14 09:15	04/01/14 15:49	1
Copper	**23**	**B**	0.58	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 15:49	1
Iron	**19000**	**B**	12	4.8	mg/Kg	☼	04/01/14 09:15	04/01/14 15:49	1
Lead	**18**	**B**	0.29	0.086	mg/Kg	☼	04/01/14 09:15	04/01/14 15:49	1
Magnesium	**13000**	**B**	5.8	1.2	mg/Kg	☼	04/01/14 09:15	04/01/14 15:49	1
Manganese	**240**		0.58	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 15:49	1
Nickel	**23**		0.58	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 15:49	1
Potassium	**1800**		29	1.7	mg/Kg	☼	04/01/14 09:15	04/01/14 15:49	1
Selenium	<0.58		0.58	0.21	mg/Kg	☼	04/01/14 09:15	04/01/14 15:49	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	04/01/14 09:15	04/01/14 15:49	1
Sodium	**2100**		58	7.8	mg/Kg	☼	04/01/14 09:15	04/01/14 15:49	1
Thallium	<0.58		0.58	0.24	mg/Kg	☼	04/01/14 09:15	04/01/14 15:49	1
Vanadium	**23**		0.29	0.043	mg/Kg	☼	04/01/14 09:15	04/01/14 15:49	1
Zinc	**49**		1.2	0.23	mg/Kg	☼	04/01/14 09:15	04/01/14 15:49	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/03/14 13:10	04/04/14 10:34	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.33**		0.20	0.020	ug/L		04/02/14 15:00	04/03/14 08:56	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**48**		18	7.2	ug/Kg	☼	04/01/14 14:20	04/02/14 09:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.95**		0.200	0.200	SU			04/06/14 11:36	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: RE2-1(0-2)-033114
Date Collected: 03/31/14 10:00
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-4
Matrix: Solid
Percent Solids: 89.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.6		5.6	2.4	ug/Kg	☼		04/01/14 12:33	1
Benzene	<5.6		5.6	0.77	ug/Kg	☼		04/01/14 12:33	1
Bromodichloromethane	<5.6		5.6	0.96	ug/Kg	☼		04/01/14 12:33	1
Bromoform	<5.6		5.6	1.3	ug/Kg	☼		04/01/14 12:33	1
Bromomethane	<5.6	*	5.6	1.7	ug/Kg	☼		04/01/14 12:33	1
Carbon disulfide	<5.6		5.6	0.83	ug/Kg	☼		04/01/14 12:33	1
Carbon tetrachloride	<5.6		5.6	1.0	ug/Kg	☼		04/01/14 12:33	1
Chlorobenzene	<5.6		5.6	0.57	ug/Kg	☼		04/01/14 12:33	1
Chloroethane	<5.6	*	5.6	1.5	ug/Kg	☼		04/01/14 12:33	1
Chloroform	<5.6		5.6	0.64	ug/Kg	☼		04/01/14 12:33	1
Chloromethane	<5.6		5.6	1.2	ug/Kg	☼		04/01/14 12:33	1
cis-1,2-Dichloroethene	<5.6		5.6	0.79	ug/Kg	☼		04/01/14 12:33	1
cis-1,3-Dichloropropene	<5.6		5.6	0.73	ug/Kg	☼		04/01/14 12:33	1
Dibromochloromethane	<5.6		5.6	0.97	ug/Kg	☼		04/01/14 12:33	1
1,1-Dichloroethane	<5.6		5.6	0.88	ug/Kg	☼		04/01/14 12:33	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	☼		04/01/14 12:33	1
1,1-Dichloroethene	<5.6		5.6	0.90	ug/Kg	☼		04/01/14 12:33	1
1,2-Dichloropropane	<5.6		5.6	0.85	ug/Kg	☼		04/01/14 12:33	1
1,3-Dichloropropene, Total	<5.6		5.6	0.73	ug/Kg	☼		04/01/14 12:33	1
Ethylbenzene	<5.6		5.6	1.1	ug/Kg	☼		04/01/14 12:33	1
2-Hexanone	<5.6		5.6	1.6	ug/Kg	☼		04/01/14 12:33	1
Methylene Chloride	<5.6		5.6	1.5	ug/Kg	☼		04/01/14 12:33	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		04/01/14 12:33	1
methyl isobutyl ketone	<5.6		5.6	1.5	ug/Kg	☼		04/01/14 12:33	1
Methyl tert-butyl ether	<5.6		5.6	0.92	ug/Kg	☼		04/01/14 12:33	1
Styrene	<5.6		5.6	0.73	ug/Kg	☼		04/01/14 12:33	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	1.1	ug/Kg	☼		04/01/14 12:33	1
Tetrachloroethene	<5.6		5.6	0.85	ug/Kg	☼		04/01/14 12:33	1
Toluene	<5.6		5.6	0.78	ug/Kg	☼		04/01/14 12:33	1
trans-1,2-Dichloroethene	<5.6		5.6	0.77	ug/Kg	☼		04/01/14 12:33	1
trans-1,3-Dichloropropene	<5.6		5.6	1.0	ug/Kg	☼		04/01/14 12:33	1
1,1,1-Trichloroethane	<5.6		5.6	0.83	ug/Kg	☼		04/01/14 12:33	1
1,1,2-Trichloroethane	<5.6		5.6	0.76	ug/Kg	☼		04/01/14 12:33	1
Trichloroethene	<5.6		5.6	0.92	ug/Kg	☼		04/01/14 12:33	1
Vinyl chloride	<5.6		5.6	1.2	ug/Kg	☼		04/01/14 12:33	1
Xylenes, Total	<11		11	0.51	ug/Kg	☼		04/01/14 12:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 122*		*04/01/14 12:33*	*1*
Dibromofluoromethane	*113*		*75 - 120*		*04/01/14 12:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 134*		*04/01/14 12:33*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*04/01/14 12:33*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<920		920	200	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
1,2-Dichlorobenzene	<920		920	220	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
1,3-Dichlorobenzene	<920		920	210	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
1,4-Dichlorobenzene	<920		920	230	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
2,2'-oxybis[1-chloropropane]	<920		920	210	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: RE2-1(0-2)-033114
Date Collected: 03/31/14 10:00
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-4
Matrix: Solid
Percent Solids: 89.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1800		1800	420	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
2,4,6-Trichlorophenol	<1800		1800	630	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
2,4-Dichlorophenol	<1800		1800	430	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
2,4-Dimethylphenol	<1800		1800	690	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
2,4-Dinitrophenol	<3700		3700	3200	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
2,4-Dinitrotoluene	<920		920	290	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
2,6-Dinitrotoluene	<920		920	360	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
2-Chloronaphthalene	<920		920	200	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
2-Chlorophenol	<920		920	310	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
2-Methylnaphthalene	<180		180	34	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
2-Methylphenol	<920		920	290	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
2-Nitroaniline	<920		920	250	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
2-Nitrophenol	<1800		1800	430	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
3 & 4 Methylphenol	<920		920	310	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
3,3'-Dichlorobenzidine	<920		920	260	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
3-Nitroaniline	<1800		1800	570	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
4,6-Dinitro-2-methylphenol	<1800		1800	1500	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
4-Bromophenyl phenyl ether	<920		920	240	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
4-Chloro-3-methylphenol	<1800		1800	620	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
4-Chloroaniline	<3700		3700	860	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
4-Chlorophenyl phenyl ether	<920		920	210	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
4-Nitroaniline	<1800		1800	770	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
4-Nitrophenol	<3700		3700	1700	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Acenaphthene	<180		180	33	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Acenaphthylene	<180		180	24	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Anthracene	<180		180	31	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Benzo[a]anthracene	**150**	**J**	180	25	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Benzo[a]pyrene	**230**		180	35	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Benzo[b]fluoranthene	**240**		180	39	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Benzo[g,h,i]perylene	**210**		180	59	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Benzo[k]fluoranthene	**120**	**J**	180	54	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Bis(2-chloroethoxy)methane	<920		920	190	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Bis(2-chloroethyl)ether	<920		920	270	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Bis(2-ethylhexyl) phthalate	**3300**		920	330	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Butyl benzyl phthalate	<920		920	350	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Carbazole	<920		920	470	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Chrysene	**180**		180	50	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Dibenz(a,h)anthracene	**130**	**J**	180	35	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Dibenzofuran	<920		920	210	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Diethyl phthalate	<920		920	310	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Dimethyl phthalate	<920		920	240	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Di-n-butyl phthalate	<920		920	280	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Di-n-octyl phthalate	<920		920	300	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Fluoranthene	**240**		180	34	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Fluorene	<180		180	26	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Hexachlorobenzene	<370		370	42	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Hexachlorobutadiene	<920		920	290	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Hexachlorocyclopentadiene	<3700		3700	1100	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Hexachloroethane	<920		920	280	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: RE2-1(0-2)-033114
Date Collected: 03/31/14 10:00
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-4
Matrix: Solid
Percent Solids: 89.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	170	J	180	47	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Isophorone	<920		920	210	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Naphthalene	<180		180	28	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Nitrobenzene	<180		180	46	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
N-Nitrosodi-n-propylamine	<920		920	220	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
N-Nitrosodiphenylamine	<920		920	220	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Pentachlorophenol	<3700		3700	2900	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Phenanthrene	110	J	180	25	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Phenol	<920		920	410	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5
Pyrene	250		180	36	ug/Kg	☼	04/01/14 06:56	04/07/14 11:45	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*68*		*35 - 137*	*04/01/14 06:56*	*04/07/14 11:45*	*5*
2-Fluorobiphenyl	*60*		*25 - 119*	*04/01/14 06:56*	*04/07/14 11:45*	*5*
2-Fluorophenol	*57*		*25 - 110*	*04/01/14 06:56*	*04/07/14 11:45*	*5*
Nitrobenzene-d5	*58*		*25 - 115*	*04/01/14 06:56*	*04/07/14 11:45*	*5*
Phenol-d5	*60*		*31 - 110*	*04/01/14 06:56*	*04/07/14 11:45*	*5*
Terphenyl-d14	*90*		*36 - 134*	*04/01/14 06:56*	*04/07/14 11:45*	*5*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 16:27	1
Barium	0.44	J	0.50	0.050	mg/L		04/03/14 08:15	04/03/14 16:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/14 08:15	04/03/14 16:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/14 08:15	04/03/14 16:27	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:27	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:27	1
Copper	0.017	J	0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:27	1
Iron	<0.20		0.20	0.20	mg/L		04/03/14 08:15	04/03/14 16:27	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/14 08:15	04/03/14 16:27	1
Manganese	0.73		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:27	1
Nickel	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:27	1
Selenium	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 16:27	1
Silver	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:27	1
Zinc	0.14		0.10	0.020	mg/L		04/03/14 08:15	04/03/14 16:27	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/02/14 09:15	04/03/14 12:52	1
Barium	0.22	J B	0.50	0.050	mg/L		04/02/14 09:15	04/03/14 12:52	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/02/14 09:15	04/03/14 12:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/02/14 09:15	04/03/14 12:52	1
Chromium	0.025		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 12:52	1
Cobalt	<0.025		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 12:52	1
Copper	0.048	B	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 12:52	1
Iron	18		0.20	0.20	mg/L		04/02/14 09:15	04/03/14 12:52	1
Lead	0.027		0.0075	0.0075	mg/L		04/02/14 09:15	04/03/14 12:52	1
Manganese	0.12		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 12:52	1
Nickel	0.021	J	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 12:52	1
Selenium	<0.050		0.050	0.010	mg/L		04/02/14 09:15	04/03/14 12:52	1

Client Sample ID: RE2-1(0-2)-033114
Date Collected: 03/31/14 10:00
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-4
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 12:52	1
Zinc	**0.16**	**B**	0.10	0.020	mg/L		04/02/14 09:15	04/03/14 12:52	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.0		1.0	0.42	mg/Kg	☼	04/01/14 09:15	04/01/14 15:55	1
Arsenic	**5.9**		0.52	0.10	mg/Kg	☼	04/01/14 09:15	04/01/14 15:55	1
Barium	**58**		0.52	0.056	mg/Kg	☼	04/01/14 09:15	04/01/14 15:55	1
Beryllium	**0.51**		0.21	0.042	mg/Kg	☼	04/01/14 09:15	04/01/14 15:55	1
Cadmium	**0.66**		0.10	0.013	mg/Kg	☼	04/01/14 09:15	04/01/14 15:55	1
Calcium	**50000**	**B**	10	2.8	mg/Kg	☼	04/01/14 09:15	04/01/14 15:55	1
Chromium	**16**		0.52	0.061	mg/Kg	☼	04/01/14 09:15	04/01/14 15:55	1
Cobalt	**8.2**		0.26	0.052	mg/Kg	☼	04/01/14 09:15	04/01/14 15:55	1
Copper	**21**	**B**	0.52	0.10	mg/Kg	☼	04/01/14 09:15	04/01/14 15:55	1
Iron	**16000**	**B**	10	4.3	mg/Kg	☼	04/01/14 09:15	04/01/14 15:55	1
Lead	**19**	**B**	0.26	0.078	mg/Kg	☼	04/01/14 09:15	04/01/14 15:55	1
Magnesium	**26000**	**B**	5.2	1.1	mg/Kg	☼	04/01/14 09:15	04/01/14 15:55	1
Manganese	**360**		0.52	0.10	mg/Kg	☼	04/01/14 09:15	04/01/14 15:55	1
Nickel	**20**		0.52	0.10	mg/Kg	☼	04/01/14 09:15	04/01/14 15:55	1
Potassium	**2700**		26	1.6	mg/Kg	☼	04/01/14 09:15	04/01/14 15:55	1
Selenium	<0.52		0.52	0.19	mg/Kg	☼	04/01/14 09:15	04/01/14 15:55	1
Silver	<0.26		0.26	0.019	mg/Kg	☼	04/01/14 09:15	04/01/14 15:55	1
Sodium	**820**		52	7.0	mg/Kg	☼	04/01/14 09:15	04/01/14 15:55	1
Thallium	**0.22**	**J**	0.52	0.22	mg/Kg	☼	04/01/14 09:15	04/01/14 15:55	1
Vanadium	**20**		0.26	0.039	mg/Kg	☼	04/01/14 09:15	04/01/14 15:55	1
Zinc	**43**		1.0	0.21	mg/Kg	☼	04/01/14 09:15	04/01/14 15:55	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/03/14 13:10	04/04/14 10:36	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/02/14 15:00	04/03/14 08:58	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**35**		17	6.8	ug/Kg	☼	04/01/14 14:20	04/02/14 09:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.97**		0.200	0.200	SU			04/06/14 11:38	1

Client Sample ID: RE2-2(0-4)-033114
Date Collected: 03/31/14 10:10
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-5
Matrix: Solid
Percent Solids: 84.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.6	ug/Kg	☼		04/01/14 12:56	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		04/01/14 12:56	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/01/14 12:56	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		04/01/14 12:56	1
Bromomethane	<5.9	*	5.9	1.8	ug/Kg	☼		04/01/14 12:56	1
Carbon disulfide	<5.9		5.9	0.89	ug/Kg	☼		04/01/14 12:56	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		04/01/14 12:56	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		04/01/14 12:56	1
Chloroethane	<5.9	*	5.9	1.6	ug/Kg	☼		04/01/14 12:56	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		04/01/14 12:56	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		04/01/14 12:56	1
cis-1,2-Dichloroethene	<5.9		5.9	0.84	ug/Kg	☼		04/01/14 12:56	1
cis-1,3-Dichloropropene	<5.9		5.9	0.78	ug/Kg	☼		04/01/14 12:56	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/01/14 12:56	1
1,1-Dichloroethane	<5.9		5.9	0.94	ug/Kg	☼		04/01/14 12:56	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/01/14 12:56	1
1,1-Dichloroethene	<5.9		5.9	0.96	ug/Kg	☼		04/01/14 12:56	1
1,2-Dichloropropane	<5.9		5.9	0.90	ug/Kg	☼		04/01/14 12:56	1
1,3-Dichloropropene, Total	<5.9		5.9	0.78	ug/Kg	☼		04/01/14 12:56	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		04/01/14 12:56	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		04/01/14 12:56	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		04/01/14 12:56	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		04/01/14 12:56	1
methyl isobutyl ketone	<5.9		5.9	1.6	ug/Kg	☼		04/01/14 12:56	1
Methyl tert-butyl ether	<5.9		5.9	0.98	ug/Kg	☼		04/01/14 12:56	1
Styrene	<5.9		5.9	0.78	ug/Kg	☼		04/01/14 12:56	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		04/01/14 12:56	1
Tetrachloroethene	<5.9		5.9	0.91	ug/Kg	☼		04/01/14 12:56	1
Toluene	<5.9		5.9	0.83	ug/Kg	☼		04/01/14 12:56	1
trans-1,2-Dichloroethene	<5.9		5.9	0.82	ug/Kg	☼		04/01/14 12:56	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		04/01/14 12:56	1
1,1,1-Trichloroethane	<5.9		5.9	0.89	ug/Kg	☼		04/01/14 12:56	1
1,1,2-Trichloroethane	<5.9		5.9	0.81	ug/Kg	☼		04/01/14 12:56	1
Trichloroethene	<5.9		5.9	0.98	ug/Kg	☼		04/01/14 12:56	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		04/01/14 12:56	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		04/01/14 12:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 122*		*04/01/14 12:56*	*1*
Dibromofluoromethane	*120*		*75 - 120*		*04/01/14 12:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 134*		*04/01/14 12:56*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*04/01/14 12:56*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1

Client Sample ID: RE2-2(0-4)-033114
Date Collected: 03/31/14 10:10
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-5
Matrix: Solid
Percent Solids: 84.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
2-Methylnaphthalene	**29**	**J**	37	6.9	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
2-Methylphenol	<190		190	60	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Acenaphthene	**7.9**	**J**	37	6.8	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Acenaphthylene	**11**	**J**	37	5.0	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Anthracene	**40**		37	6.3	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Benzo[a]anthracene	**190**		37	5.1	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Benzo[a]pyrene	**200**		37	7.3	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Benzo[b]fluoranthene	**300**		37	8.1	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Benzo[g,h,i]perylene	**190**		37	12	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Benzo[k]fluoranthene	**100**		37	11	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Carbazole	<190		190	97	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Chrysene	**240**		37	10	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Dibenz(a,h)anthracene	**52**		37	7.3	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Dibenzofuran	<190		190	44	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Fluoranthene	**470**		37	7.0	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Fluorene	**9.4**	**J**	37	5.3	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Hexachloroethane	<190		190	57	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: RE2-2(0-4)-033114
Date Collected: 03/31/14 10:10
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-5
Matrix: Solid
Percent Solids: 84.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	150		37	9.7	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Isophorone	<190		190	42	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Naphthalene	9.5	J	37	5.8	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Phenanthrene	220		37	5.2	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Phenol	<190		190	84	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1
Pyrene	380		37	7.5	ug/Kg	☼	04/01/14 06:56	04/03/14 20:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*77*		*35 - 137*	*04/01/14 06:56*	*04/03/14 20:28*	*1*
2-Fluorobiphenyl	*65*		*25 - 119*	*04/01/14 06:56*	*04/03/14 20:28*	*1*
2-Fluorophenol	*66*		*25 - 110*	*04/01/14 06:56*	*04/03/14 20:28*	*1*
Nitrobenzene-d5	*58*		*25 - 115*	*04/01/14 06:56*	*04/03/14 20:28*	*1*
Phenol-d5	*74*		*31 - 110*	*04/01/14 06:56*	*04/03/14 20:28*	*1*
Terphenyl-d14	*83*		*36 - 134*	*04/01/14 06:56*	*04/03/14 20:28*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 16:33	1
Barium	0.48	J	0.50	0.050	mg/L		04/03/14 08:15	04/03/14 16:33	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/14 08:15	04/03/14 16:33	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/14 08:15	04/03/14 16:33	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:33	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:33	1
Copper	0.015	J	0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:33	1
Iron	<0.20		0.20	0.20	mg/L		04/03/14 08:15	04/03/14 16:33	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/14 08:15	04/03/14 16:33	1
Manganese	0.70		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:33	1
Nickel	0.013	J	0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:33	1
Selenium	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 16:33	1
Silver	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:33	1
Zinc	0.073	J	0.10	0.020	mg/L		04/03/14 08:15	04/03/14 16:33	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.022	J	0.050	0.010	mg/L		04/02/14 09:15	04/03/14 13:13	1
Barium	0.46	J B	0.50	0.050	mg/L		04/02/14 09:15	04/03/14 13:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/02/14 09:15	04/03/14 13:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/02/14 09:15	04/03/14 13:13	1
Chromium	0.067		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:13	1
Cobalt	0.022	J	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:13	1
Copper	0.089	B	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:13	1
Iron	51		0.20	0.20	mg/L		04/02/14 09:15	04/03/14 13:13	1
Lead	0.094		0.0075	0.0075	mg/L		04/02/14 09:15	04/03/14 13:13	1
Manganese	0.35		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:13	1
Nickel	0.067		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:13	1
Selenium	<0.050		0.050	0.010	mg/L		04/02/14 09:15	04/03/14 13:13	1

Client Sample ID: RE2-2(0-4)-033114
Date Collected: 03/31/14 10:10
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-5
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:13	1
Zinc	**0.32**	**B**	0.10	0.020	mg/L		04/02/14 09:15	04/03/14 13:13	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.44	mg/Kg	☼	04/01/14 09:15	04/01/14 16:01	1
Arsenic	**6.4**		0.54	0.11	mg/Kg	☼	04/01/14 09:15	04/01/14 16:01	1
Barium	**74**		0.54	0.058	mg/Kg	☼	04/01/14 09:15	04/01/14 16:01	1
Beryllium	**0.53**		0.22	0.043	mg/Kg	☼	04/01/14 09:15	04/01/14 16:01	1
Cadmium	**0.79**		0.11	0.014	mg/Kg	☼	04/01/14 09:15	04/01/14 16:01	1
Calcium	**69000**	**B**	110	29	mg/Kg	☼	04/01/14 09:15	04/03/14 20:35	10
Chromium	**16**		0.54	0.063	mg/Kg	☼	04/01/14 09:15	04/01/14 16:01	1
Cobalt	**7.7**		0.27	0.054	mg/Kg	☼	04/01/14 09:15	04/01/14 16:01	1
Copper	**26**	**B**	0.54	0.11	mg/Kg	☼	04/01/14 09:15	04/01/14 16:01	1
Iron	**14000**	**B**	11	4.5	mg/Kg	☼	04/01/14 09:15	04/01/14 16:01	1
Lead	**51**	**B**	0.27	0.081	mg/Kg	☼	04/01/14 09:15	04/01/14 16:01	1
Magnesium	**27000**	**B**	5.4	1.1	mg/Kg	☼	04/01/14 09:15	04/01/14 16:01	1
Manganese	**350**		0.54	0.11	mg/Kg	☼	04/01/14 09:15	04/01/14 16:01	1
Nickel	**24**		0.54	0.11	mg/Kg	☼	04/01/14 09:15	04/01/14 16:01	1
Potassium	**1700**		27	1.6	mg/Kg	☼	04/01/14 09:15	04/01/14 16:01	1
Selenium	<0.54		0.54	0.19	mg/Kg	☼	04/01/14 09:15	04/01/14 16:01	1
Silver	**0.024**	**J**	0.27	0.020	mg/Kg	☼	04/01/14 09:15	04/01/14 16:01	1
Sodium	**2400**		54	7.3	mg/Kg	☼	04/01/14 09:15	04/01/14 16:01	1
Thallium	<0.54		0.54	0.23	mg/Kg	☼	04/01/14 09:15	04/01/14 16:01	1
Vanadium	**20**		0.27	0.040	mg/Kg	☼	04/01/14 09:15	04/01/14 16:01	1
Zinc	**59**		1.1	0.22	mg/Kg	☼	04/01/14 09:15	04/01/14 16:01	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/03/14 13:10	04/04/14 10:38	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.11**	**J**	0.20	0.020	ug/L		04/02/14 15:00	04/03/14 09:04	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**44**		18	7.0	ug/Kg	☼	04/01/14 14:20	04/02/14 09:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.48**		0.200	0.200	SU			04/06/14 11:40	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F3	Duplicate RPD exceeds the control limit
F1	MS and/or MSD Recovery exceeds the control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-14 *

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

* Expired certification is currently pending renewal and is considered valid.

TestAmerica

THE LEADER IN ENVIRONMENT

2417 Bond Street, University Park, IL
Phone: 708.534.5200 Fax: 708.5

500-74180 COC

(optional)
Report To
Contact: S. Babusukumar
Company: Weston
Address: 750 E. Bunker Court Suite 500
Address: Vernon Hills, IL, 60061
Phone: 847-918-4018
Fax:
E-Mail:

(optional)
Bill To
Contact:
Company:
Address:
Address: SAME
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74180
Chain of Custody Number:
Page 1 of 3
Temperature °C of Cooler: 3.9

Client: Weston
Client Project #:
Project Name: IDOT-050/051
Project Location/State: McCook, IL
Lab Project #:
Sampler: Dan Cukierski
Lab PM:

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
1		RE2-4(0-4)-033114	3/31/14	0850	2	S		X	X	X	X	X					
2		RE2-4(0-4)-033114D	3/31/14	0850	2	S		X	X	X	X	X					
3		RE2-3(0-4)-033114	3/31/14	0910	2	S		X	X	X	X	X					
4		RE2-1(0-2)-033114	3/31/14	1000	2	S		X	X	X	X	X					
5		RE2-2(0-4)-033114	3/31/14	1010	2	S		X	X	X	X	X					
6		JE-1(0-3.5)-033114	3/31/14	1035	2	S		X	X	X	X	X					
7		JE-2(0-2.5)-033114	3/31/14	1050	2	S		X	X	X	X	X					
8	DC	~~RE3~~ RE4-1(0-3.5)-033114	3/31/14	1110	2	S		X	X	X	X	X					
9		RE4-2(0-3)-033114	3/31/14	1120	2	S		X	X	X	X	X					
10		RE4-3(0-2)-033114	3/31/14	1140	2	S		X	X	X	X	X					

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days standard Other
Requested Due Date

Sample Disposal
☐ Return to Client ☒ Disposal by Lab ☐ Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	3/31/14	1520		TA	3/31/14	1520
	TA	3/31/14	1630		TA	4/1/14	0600

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)

Report To
Contact: S. Babusukumar
Company: Weston
Address: 750 E Bunker Court Suite 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax:
E-Mail:

(optional)

Bill To
Contact:
Company: SAMB
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74180

Chain of Custody Number:

Page 2 of 3

Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT-050-051
Project Location/State: McCook, IL
Lab Project #:
Sampler: Dan Cukierski
Lab PM:

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Total Aluminum	RCRA			Comments
11		RB4-3(0-2)-033114D	3/31/14	1140	2	S		X	X	X	X	X					
12		RB4-8(0-4)-033114	3/31/14	1210	2	S		X	X	X	X	X					
13		RB4-7(0-4)-033114	3/31/14	1225	2	S		X	X	X	X	X					
14		ID-4(0-4)-033114	3/31/14	1255	2	S		X	X	X	X	X					
15		IP-23(0-2)-033114	3/31/14	1330	2	S		X	X	X	X	X	X				
16		IP-22(0-4)-033114	3/31/14	1345	2	S		X	X	X	X	X	X				
17		IP-21(0-4)-033114	3/31/14	1355	2	S		X	X	X	X	X	X				
18		IP-20(0-4)-033114	3/31/14	1410	2	S		X	X	X	X	X	X				
19		IP-19(0-4)-033114	3/31/14	1435	2	S		X	X	X	X	X	X				
20		IP-18(0-4)-033114	3/31/14	1445	2	S		X	X	X	X	X	X				

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date:

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ____ Months (A fee may be assessed if samples are retained longer than 1 month)

	Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1		Weston	3/31/14	1520		TA	3/31/14	1520
2		TA	3/31/14	1630		TA	4/1/14	0600
3								

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

Illinois Environmental Protection Agency

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663 Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAP 372: IL 171 (1st Ave) from 47th St to 55th St Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):

4500 1st Avenue

City: Lyons State: IL Zip Code: _____

County: Cook Township: _____

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.809738949 (Decimal Degrees) Longitude: -87.834015964 (-Decimal Degrees)

Identify how the lat/long data were determined:

☒ GPS ☐ Map Interpolation ☐ Photo Interpolation ☐ Survey ☐ Other

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner		Site Operator	
Name:	Illinois Department of Transportation	Name:	Illinois Department of Transportation
Street Address:	201 West Center Court	Street Address:	201 West Center Court
PO Box:		PO Box:	
City:	Schaumburg State: IL	City:	Schaumburg State: IL
Zip Code:	60196-1096 Phone: 847-705-4101	Zip Code:	60196-1096 Phone: 847-705-4101
Contact:	Sam Mead	Contact:	Sam Mead
Email, if available:	Sam.Mead@illinois.gov	Email, if available:	Sam.Mead@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAP 372: IL 171 (1st Ave) from 47th St to 55th St

Latitude: 41.809738949 Longitude: -87.834015964

Uncontaminated Site Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

LOCATIONS JE-1 AND JE-2 WERE SAMPLED ADJACENT TO ISGS SITE No. 1860-3. SEE FIGURE 3-9 AND TABLE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201(g), 1100.205(a), 1100.610]:

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-74180-1

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Steven Gobelman, P.E., L.P.G (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

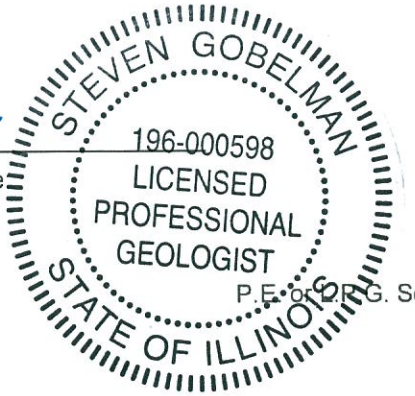
City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman, P.E., L.P.G
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

6/12/14
Date:



P.E. or L.P.G. Seal:

Summary Table of ISGS Site No. 1860-3
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	JE-1(0-3.5)-033114	JE-2(0-2.5)-033114	**Soil Reference Concentrations[A]**
Sample Date	3/31/2014	3/31/2014	
Location ID	JE-1	JE-2	
ISGS Site No.	1860-3	1860-3	
Depth	0 - 3.5	0 - 2.5	
Parameter			
Laboratory pH (s.u.)	8.42	8.81	<6.25,>9.0
VOCs (ug/kg)	None Detected		
SVOCs (ug/kg)			
2-Methylnaphthalene	12 J	9.6 J	---
Acenaphthylene	13 J	ND	85000
Anthracene	25 J	26 J	1.20E+07
Benzo(a)anthracene	170	190	900 / 1100 / 1800
Benzo(a)pyrene	180	180	90 / 1300 / 2100
Benzo(b)fluoranthene	280	240	900 / 1500 / 2100
Benzo(g,h,i)perylene	170	170	2300000
Benzo(k)fluoranthene	88	110	9000
Chrysene	220	260	88000
Dibenzo(a,h)anthracene	43	54	90 / 200 / 420
Fluoranthene	350	430	3100000
Indeno(1,2,3-cd)pyrene	130	120	900 / 900 / 1600
Naphthalene, SVOC	9.9 J	8.1 J	1800
Phenanthrene	150	150	210000
Pyrene	310	360	2300000
Total Metals (mg/kg)			
Arsenic, Total	8.8 J+	7.1 J+	11.3 / 13
Barium, Total	95	86	1500
Beryllium, Total	0.62 J	0.59 J	22
Cadmium, Total	0.78	0.86	5.2
Calcium, Total	20000 J	23000 J	---
Chromium, Total	19	18	21
Cobalt, Total	8.5	7.2	20
Copper, Total	28 B	28 B	2900
Iron, Total	17000 J+	15000 B	15000 / 15900
Lead, Total	48 J	82 J	107
Magnesium, Total	13000 J	13000 J	325000
Manganese, Total	390 J	330	630 / 636
Mercury, Total	0.039 J+	0.044 J+	0.89
Nickel, Total	21 J-	20 J-	100
Potassium, Total	1700 J	1500 J	---
Selenium, Total	0.29 J	0.35 J	1.3
Silver, Total	ND	0.034 J	4.4
Sodium, Total	1500	1700	---
Thallium, Total	0.32 J	0.3 J	2.6
Vanadium, Total	26	24	550
Zinc, Total	80 J	91 J	5100
TCLP Metals (mg/l)			
Barium, TCLP	0.51	0.33 J	2
Cadmium, TCLP	0.0038 J	ND	0.005
Cobalt, TCLP	0.031	ND	1
Copper, TCLP	0.017 J	ND	0.65
Lead, TCLP	0.021	ND	0.0075
Manganese, TCLP	3.7	0.79	0.15
Nickel, TCLP	0.034	ND	0.1
Zinc, TCLP	0.26	0.033 J	5
SPLP Metals (mg/l)			
Arsenic, SPLP	0.029 J	0.052	0.05
Barium, SPLP	0.5 B	0.85 B	2
Beryllium, SPLP	ND	0.0052	0.004
Cadmium, SPLP	ND	0.0025 J	0.005
Chromium, SPLP	0.083	0.16	0.1
Cobalt, SPLP	0.024 J	0.048	1
Copper, SPLP	0.11 B	0.15 B	0.65
Iron, SPLP	70 J+	130	5
Lead, SPLP	0.082	0.24	0.0075
Manganese, SPLP	0.4	0.92	0.15
Mercury, SPLP	8.90E-05 J	0.00016 J	0.002
Nickel, SPLP	0.082	0.15	0.1
Zinc, SPLP	ND	0.67 B	5

Summary Table of ISGS Site No. 1860-3
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

Shaded values indicate concentration **exceeds** Reference Concentration.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-74180-1
Client Project/Site: IDOT - Lyons, McCook, Summit - 050

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar

Authorized for release by:
4/9/2014 4:15:50 PM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: JE-1(0-3.5)-033114
Date Collected: 03/31/14 10:35
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-6
Matrix: Solid
Percent Solids: 82.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.1		6.1	2.6	ug/Kg	☼		04/02/14 11:00	1
Benzene	<6.1		6.1	0.83	ug/Kg	☼		04/02/14 11:00	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		04/02/14 11:00	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		04/02/14 11:00	1
Bromomethane	<6.1		6.1	1.8	ug/Kg	☼		04/02/14 11:00	1
Carbon disulfide	<6.1		6.1	0.91	ug/Kg	☼		04/02/14 11:00	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		04/02/14 11:00	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		04/02/14 11:00	1
Chloroethane	<6.1		6.1	1.7	ug/Kg	☼		04/02/14 11:00	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		04/02/14 11:00	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		04/02/14 11:00	1
cis-1,2-Dichloroethene	<6.1		6.1	0.86	ug/Kg	☼		04/02/14 11:00	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		04/02/14 11:00	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		04/02/14 11:00	1
1,1-Dichloroethane	<6.1		6.1	0.96	ug/Kg	☼		04/02/14 11:00	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		04/02/14 11:00	1
1,1-Dichloroethene	<6.1		6.1	0.98	ug/Kg	☼		04/02/14 11:00	1
1,2-Dichloropropane	<6.1		6.1	0.92	ug/Kg	☼		04/02/14 11:00	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		04/02/14 11:00	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		04/02/14 11:00	1
2-Hexanone	<6.1		6.1	1.8	ug/Kg	☼		04/02/14 11:00	1
Methylene Chloride	<6.1		6.1	1.6	ug/Kg	☼		04/02/14 11:00	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		04/02/14 11:00	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		04/02/14 11:00	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		04/02/14 11:00	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		04/02/14 11:00	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		04/02/14 11:00	1
Tetrachloroethene	<6.1		6.1	0.93	ug/Kg	☼		04/02/14 11:00	1
Toluene	<6.1		6.1	0.85	ug/Kg	☼		04/02/14 11:00	1
trans-1,2-Dichloroethene	<6.1		6.1	0.84	ug/Kg	☼		04/02/14 11:00	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		04/02/14 11:00	1
1,1,1-Trichloroethane	<6.1		6.1	0.91	ug/Kg	☼		04/02/14 11:00	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		04/02/14 11:00	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		04/02/14 11:00	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		04/02/14 11:00	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		04/02/14 11:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 122*		*04/02/14 11:00*	*1*
Dibromofluoromethane	*114*		*75 - 120*		*04/02/14 11:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 134*		*04/02/14 11:00*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*04/02/14 11:00*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: JE-1(0-3.5)-033114
Date Collected: 03/31/14 10:35
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-6
Matrix: Solid
Percent Solids: 82.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	91	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
2-Methylnaphthalene	**12**	**J**	40	7.3	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
2-Methylphenol	<200		200	64	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
2-Nitrophenol	<400		400	94	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Acenaphthylene	**13**	**J**	40	5.3	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Anthracene	**25**	**J**	40	6.7	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Benzo[a]anthracene	**170**		40	5.4	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Benzo[a]pyrene	**180**		40	7.7	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Benzo[b]fluoranthene	**280**		40	8.6	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Benzo[g,h,i]perylene	**170**		40	13	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Benzo[k]fluoranthene	**88**		40	12	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Carbazole	<200		200	100	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Chrysene	**220**		40	11	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Dibenz(a,h)anthracene	**43**		40	7.7	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Dibenzofuran	<200		200	47	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Fluoranthene	**350**		40	7.4	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Fluorene	<40		40	5.6	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Hexachloroethane	<200		200	61	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: JE-1(0-3.5)-033114
Date Collected: 03/31/14 10:35
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-6
Matrix: Solid
Percent Solids: 82.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	130		40	10	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Isophorone	<200		200	45	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Naphthalene	9.9	J	40	6.1	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Nitrobenzene	<40		40	10	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Phenanthrene	150		40	5.6	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Phenol	<200		200	89	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1
Pyrene	310		40	7.9	ug/Kg	☼	04/01/14 06:56	04/03/14 20:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*80*		*35 - 137*	*04/01/14 06:56*	*04/03/14 20:53*	*1*
2-Fluorobiphenyl	*58*		*25 - 119*	*04/01/14 06:56*	*04/03/14 20:53*	*1*
2-Fluorophenol	*60*		*25 - 110*	*04/01/14 06:56*	*04/03/14 20:53*	*1*
Nitrobenzene-d5	*52*		*25 - 115*	*04/01/14 06:56*	*04/03/14 20:53*	*1*
Phenol-d5	*67*		*31 - 110*	*04/01/14 06:56*	*04/03/14 20:53*	*1*
Terphenyl-d14	*76*		*36 - 134*	*04/01/14 06:56*	*04/03/14 20:53*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 16:40	1
Barium	0.51		0.50	0.050	mg/L		04/03/14 08:15	04/03/14 16:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/14 08:15	04/03/14 16:40	1
Cadmium	0.0038	J	0.0050	0.0020	mg/L		04/03/14 08:15	04/03/14 16:40	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:40	1
Cobalt	0.031		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:40	1
Copper	0.017	J	0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:40	1
Iron	<0.20		0.20	0.20	mg/L		04/03/14 08:15	04/03/14 16:40	1
Lead	0.021		0.0075	0.0075	mg/L		04/03/14 08:15	04/03/14 16:40	1
Manganese	3.7		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:40	1
Nickel	0.034		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:40	1
Selenium	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 16:40	1
Silver	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:40	1
Zinc	0.26		0.10	0.020	mg/L		04/03/14 08:15	04/03/14 16:40	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.029	J	0.050	0.010	mg/L		04/02/14 09:15	04/03/14 13:20	1
Barium	0.50	B	0.50	0.050	mg/L		04/02/14 09:15	04/03/14 13:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/02/14 09:15	04/03/14 13:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/02/14 09:15	04/03/14 13:20	1
Chromium	0.083		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:20	1
Cobalt	0.024	J	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:20	1
Copper	0.11	B	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:20	1
Iron	70		0.20	0.20	mg/L		04/02/14 09:15	04/03/14 13:20	1
Lead	0.082		0.0075	0.0075	mg/L		04/02/14 09:15	04/03/14 13:20	1
Manganese	0.40		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:20	1
Nickel	0.082		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:20	1
Selenium	<0.050		0.050	0.010	mg/L		04/02/14 09:15	04/03/14 13:20	1

Client Sample ID: JE-1(0-3.5)-033114
Date Collected: 03/31/14 10:35
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-6
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:20	1
Zinc	**0.36**	**B**	0.10	0.020	mg/L		04/02/14 09:15	04/03/14 13:20	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.48	mg/Kg	☼	04/01/14 09:15	04/01/14 16:07	1
Arsenic	**8.8**		0.60	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 16:07	1
Barium	**95**		0.60	0.064	mg/Kg	☼	04/01/14 09:15	04/01/14 16:07	1
Beryllium	**0.62**		0.24	0.048	mg/Kg	☼	04/01/14 09:15	04/01/14 16:07	1
Cadmium	**0.78**		0.12	0.015	mg/Kg	☼	04/01/14 09:15	04/01/14 16:07	1
Calcium	**20000**	**B**	12	3.3	mg/Kg	☼	04/01/14 09:15	04/01/14 16:07	1
Chromium	**19**		0.60	0.070	mg/Kg	☼	04/01/14 09:15	04/01/14 16:07	1
Cobalt	**8.5**		0.30	0.060	mg/Kg	☼	04/01/14 09:15	04/01/14 16:07	1
Copper	**28**	**B**	0.60	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 16:07	1
Iron	**17000**	**B**	12	4.9	mg/Kg	☼	04/01/14 09:15	04/01/14 16:07	1
Lead	**48**	**B**	0.30	0.090	mg/Kg	☼	04/01/14 09:15	04/01/14 16:07	1
Magnesium	**13000**	**B**	6.0	1.2	mg/Kg	☼	04/01/14 09:15	04/01/14 16:07	1
Manganese	**390**		0.60	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 16:07	1
Nickel	**21**		0.60	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 16:07	1
Potassium	**1700**		30	1.8	mg/Kg	☼	04/01/14 09:15	04/01/14 16:07	1
Selenium	**0.29**	**J**	0.60	0.21	mg/Kg	☼	04/01/14 09:15	04/01/14 16:07	1
Silver	<0.30		0.30	0.022	mg/Kg	☼	04/01/14 09:15	04/01/14 16:07	1
Sodium	**1500**		60	8.1	mg/Kg	☼	04/01/14 09:15	04/01/14 16:07	1
Thallium	**0.32**	**J**	0.60	0.25	mg/Kg	☼	04/01/14 09:15	04/01/14 16:07	1
Vanadium	**26**		0.30	0.044	mg/Kg	☼	04/01/14 09:15	04/01/14 16:07	1
Zinc	**80**		1.2	0.24	mg/Kg	☼	04/01/14 09:15	04/01/14 16:07	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/03/14 13:10	04/04/14 10:40	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.089**	**J**	0.20	0.020	ug/L		04/02/14 15:00	04/03/14 09:06	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**39**		19	7.3	ug/Kg	☼	04/01/14 14:20	04/02/14 09:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.42**		0.200	0.200	SU			04/06/14 11:42	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: JE-2(0-2.5)-033114
Date Collected: 03/31/14 10:50
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-7
Matrix: Solid
Percent Solids: 82.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.1		6.1	2.6	ug/Kg	☼		04/01/14 13:42	1
Benzene	<6.1		6.1	0.83	ug/Kg	☼		04/01/14 13:42	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		04/01/14 13:42	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		04/01/14 13:42	1
Bromomethane	<6.1	*	6.1	1.8	ug/Kg	☼		04/01/14 13:42	1
Carbon disulfide	<6.1		6.1	0.91	ug/Kg	☼		04/01/14 13:42	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		04/01/14 13:42	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		04/01/14 13:42	1
Chloroethane	<6.1	*	6.1	1.7	ug/Kg	☼		04/01/14 13:42	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		04/01/14 13:42	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		04/01/14 13:42	1
cis-1,2-Dichloroethene	<6.1		6.1	0.86	ug/Kg	☼		04/01/14 13:42	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		04/01/14 13:42	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		04/01/14 13:42	1
1,1-Dichloroethane	<6.1		6.1	0.96	ug/Kg	☼		04/01/14 13:42	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		04/01/14 13:42	1
1,1-Dichloroethene	<6.1		6.1	0.98	ug/Kg	☼		04/01/14 13:42	1
1,2-Dichloropropane	<6.1		6.1	0.92	ug/Kg	☼		04/01/14 13:42	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		04/01/14 13:42	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		04/01/14 13:42	1
2-Hexanone	<6.1		6.1	1.8	ug/Kg	☼		04/01/14 13:42	1
Methylene Chloride	<6.1		6.1	1.6	ug/Kg	☼		04/01/14 13:42	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		04/01/14 13:42	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		04/01/14 13:42	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		04/01/14 13:42	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		04/01/14 13:42	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		04/01/14 13:42	1
Tetrachloroethene	<6.1		6.1	0.93	ug/Kg	☼		04/01/14 13:42	1
Toluene	<6.1		6.1	0.85	ug/Kg	☼		04/01/14 13:42	1
trans-1,2-Dichloroethene	<6.1		6.1	0.84	ug/Kg	☼		04/01/14 13:42	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		04/01/14 13:42	1
1,1,1-Trichloroethane	<6.1		6.1	0.91	ug/Kg	☼		04/01/14 13:42	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		04/01/14 13:42	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		04/01/14 13:42	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		04/01/14 13:42	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		04/01/14 13:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 122*		*04/01/14 13:42*	*1*
Dibromofluoromethane	*112*		*75 - 120*		*04/01/14 13:42*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 134*		*04/01/14 13:42*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*04/01/14 13:42*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: JE-2(0-2.5)-033114
Date Collected: 03/31/14 10:50
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-7
Matrix: Solid
Percent Solids: 82.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	91	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
2-Methylnaphthalene	**9.6**	**J**	40	7.3	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
2-Methylphenol	<200		200	64	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
2-Nitrophenol	<400		400	94	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Anthracene	**26**	**J**	40	6.7	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Benzo[a]anthracene	**190**		40	5.4	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Benzo[a]pyrene	**180**		40	7.7	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Benzo[b]fluoranthene	**240**		40	8.6	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Benzo[g,h,i]perylene	**170**		40	13	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Benzo[k]fluoranthene	**110**		40	12	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Carbazole	<200		200	100	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Chrysene	**260**		40	11	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Dibenz(a,h)anthracene	**54**		40	7.7	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Dibenzofuran	<200		200	47	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Fluoranthene	**430**		40	7.4	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Fluorene	<40		40	5.6	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Hexachloroethane	<200		200	61	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: JE-2(0-2.5)-033114
Date Collected: 03/31/14 10:50
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-7
Matrix: Solid
Percent Solids: 82.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	120		40	10	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Isophorone	<200		200	45	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Naphthalene	8.1	J	40	6.1	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Nitrobenzene	<40		40	9.9	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Phenanthrene	150		40	5.6	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Phenol	<200		200	88	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1
Pyrene	360		40	7.9	ug/Kg	☼	04/01/14 06:56	04/07/14 12:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*78*		*35 - 137*	*04/01/14 06:56*	*04/07/14 12:04*	*1*
2-Fluorobiphenyl	*59*		*25 - 119*	*04/01/14 06:56*	*04/07/14 12:04*	*1*
2-Fluorophenol	*52*		*25 - 110*	*04/01/14 06:56*	*04/07/14 12:04*	*1*
Nitrobenzene-d5	*52*		*25 - 115*	*04/01/14 06:56*	*04/07/14 12:04*	*1*
Phenol-d5	*58*		*31 - 110*	*04/01/14 06:56*	*04/07/14 12:04*	*1*
Terphenyl-d14	*106*		*36 - 134*	*04/01/14 06:56*	*04/07/14 12:04*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 16:46	1
Barium	0.33	J	0.50	0.050	mg/L		04/03/14 08:15	04/03/14 16:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/14 08:15	04/03/14 16:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/14 08:15	04/03/14 16:46	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:46	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:46	1
Copper	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:46	1
Iron	<0.20		0.20	0.20	mg/L		04/03/14 08:15	04/03/14 16:46	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/14 08:15	04/03/14 16:46	1
Manganese	0.79		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:46	1
Nickel	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:46	1
Selenium	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 16:46	1
Silver	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:46	1
Zinc	0.033	J	0.10	0.020	mg/L		04/03/14 08:15	04/03/14 16:46	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.052		0.050	0.010	mg/L		04/02/14 09:15	04/03/14 13:26	1
Barium	0.85	B	0.50	0.050	mg/L		04/02/14 09:15	04/03/14 13:26	1
Beryllium	0.0052		0.0040	0.0040	mg/L		04/02/14 09:15	04/03/14 13:26	1
Cadmium	0.0025	J	0.0050	0.0020	mg/L		04/02/14 09:15	04/03/14 13:26	1
Chromium	0.16		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:26	1
Cobalt	0.048		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:26	1
Copper	0.15	B	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:26	1
Iron	130		0.20	0.20	mg/L		04/02/14 09:15	04/03/14 13:26	1
Lead	0.24		0.0075	0.0075	mg/L		04/02/14 09:15	04/03/14 13:26	1
Manganese	0.92		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:26	1
Nickel	0.15		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:26	1
Selenium	<0.050		0.050	0.010	mg/L		04/02/14 09:15	04/03/14 13:26	1

Client Sample ID: JE-2(0-2.5)-033114
Date Collected: 03/31/14 10:50
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-7
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:26	1
Zinc	**0.67**	**B**	0.10	0.020	mg/L		04/02/14 09:15	04/03/14 13:26	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.46	mg/Kg	☼	04/01/14 09:15	04/01/14 16:13	1
Arsenic	**7.1**		0.57	0.11	mg/Kg	☼	04/01/14 09:15	04/01/14 16:13	1
Barium	**86**		0.57	0.061	mg/Kg	☼	04/01/14 09:15	04/01/14 16:13	1
Beryllium	**0.59**		0.23	0.046	mg/Kg	☼	04/01/14 09:15	04/01/14 16:13	1
Cadmium	**0.86**		0.11	0.015	mg/Kg	☼	04/01/14 09:15	04/01/14 16:13	1
Calcium	**23000**	**B**	11	3.1	mg/Kg	☼	04/01/14 09:15	04/01/14 16:13	1
Chromium	**18**		0.57	0.067	mg/Kg	☼	04/01/14 09:15	04/01/14 16:13	1
Cobalt	**7.2**		0.29	0.057	mg/Kg	☼	04/01/14 09:15	04/01/14 16:13	1
Copper	**28**	**B**	0.57	0.11	mg/Kg	☼	04/01/14 09:15	04/01/14 16:13	1
Iron	**15000**	**B**	11	4.7	mg/Kg	☼	04/01/14 09:15	04/01/14 16:13	1
Lead	**82**	**B**	0.29	0.086	mg/Kg	☼	04/01/14 09:15	04/01/14 16:13	1
Magnesium	**13000**	**B**	5.7	1.2	mg/Kg	☼	04/01/14 09:15	04/01/14 16:13	1
Manganese	**330**		0.57	0.11	mg/Kg	☼	04/01/14 09:15	04/01/14 16:13	1
Nickel	**20**		0.57	0.11	mg/Kg	☼	04/01/14 09:15	04/01/14 16:13	1
Potassium	**1500**		29	1.7	mg/Kg	☼	04/01/14 09:15	04/01/14 16:13	1
Selenium	**0.35**	**J**	0.57	0.20	mg/Kg	☼	04/01/14 09:15	04/01/14 16:13	1
Silver	**0.034**	**J**	0.29	0.021	mg/Kg	☼	04/01/14 09:15	04/01/14 16:13	1
Sodium	**1700**		57	7.7	mg/Kg	☼	04/01/14 09:15	04/01/14 16:13	1
Thallium	**0.30**	**J**	0.57	0.24	mg/Kg	☼	04/01/14 09:15	04/01/14 16:13	1
Vanadium	**24**		0.29	0.042	mg/Kg	☼	04/01/14 09:15	04/01/14 16:13	1
Zinc	**91**		1.1	0.23	mg/Kg	☼	04/01/14 09:15	04/01/14 16:13	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/03/14 13:10	04/04/14 10:42	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.16**	**J**	0.20	0.020	ug/L		04/02/14 15:00	04/03/14 09:08	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**44**		18	7.2	ug/Kg	☼	04/01/14 14:20	04/02/14 09:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.81**		0.200	0.200	SU			04/06/14 11:44	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F3	Duplicate RPD exceeds the control limit
F1	MS and/or MSD Recovery exceeds the control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-14 *

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

* Expired certification is currently pending renewal and is considered valid.

TestAmerica

THE LEADER IN ENVIRONMENT

2417 Bond Street, University Park, IL
Phone: 708.534.5200 Fax: 708.5

500-74180 COC

(optional)
Report To
Contact: S. Babusukumar
Company: Weston
Address: 750 E. Bunker Court Suite 500
Address: Vernon Hills, IL, 60061
Phone: 847-918-4018
Fax:
E-Mail:

(optional)
Bill To
Contact:
Company:
Address:
Address: SAME
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74180
Chain of Custody Number:
Page 1 of 3
Temperature °C of Cooler: 3.9

Client: Weston
Client Project #:
Project Name: IDOT-050/051
Project Location/State: McCook, IL
Lab Project #:
Sampler: Dan Cukierski
Lab PM:

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
1		RE2-4(0-4)-033114	3/31/14	0850	2	S		X	X	X	X	X					
2		RE2-4(0-4)-033114D	3/31/14	0850	2	S		X	X	X	X	X					
3		RE2-3(0-4)-033114	3/31/14	0910	2	S		X	X	X	X	X					
4		RE2-1(0-2)-033114	3/31/14	1000	2	S		X	X	X	X	X					
5		RE2-2(0-4)-033114	3/31/14	1010	2	S		X	X	X	X	X					
6		JE-1(0-3.5)-033114	3/31/14	1035	2	S		X	X	X	X	X					
7		JE-2(0-2.5)-033114	3/31/14	1050	2	S		X	X	X	X	X					
8	DC	~~RE3~~ RE4-1(0-3.5)-033114	3/31/14	1110	2	S		X	X	X	X	X					
9		RE4-2(0-3)-033114	3/31/14	1120	2	S		X	X	X	X	X					
10		RE4-3(0-2)-033114	3/31/14	1140	2	S		X	X	X	X	X					

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days standard Other
Requested Due Date

Sample Disposal
☐ Return to Client ☒ Disposal by Lab ☐ Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	3/31/14	1520		TA	3/31/14	1520
	TA	3/31/14	1630		TA	4/1/14	0600

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)

Report To
Contact: S. Babusukumar
Company: Weston
Address: 750 E Bunker Court Suite 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax:
E-Mail:

(optional)

Bill To
Contact:
Company: SAMB
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74180

Chain of Custody Number:

Page 2 of 3

Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT-050-051
Project Location/State: McCook, IL
Lab Project #:
Sampler: Dan Cukierski
Lab PM:

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Total Aluminum	RCRA			Comments
11		RB4-3(0-2)-033114D	3/31/14	1140	2	S		X	X	X	X	X					
12		RB4-8(0-4)-033114	3/31/14	1210	2	S		X	X	X	X	X					
13		RB4-7(0-4)-033114	3/31/14	1225	2	S		X	X	X	X	X					
14		ID-4(0-4)-033114	3/31/14	1255	2	S		X	X	X	X	X					
15		IP-23(0-2)-033114	3/31/14	1330	2	S		X	X	X	X	X	X				
16		IP-22(0-4)-033114	3/31/14	1345	2	S		X	X	X	X	X	X				
17		IP-21(0-4)-033114	3/31/14	1355	2	S		X	X	X	X	X	X				
18		IP-20(0-4)-033114	3/31/14	1410	2	S		X	X	X	X	X	X				
19		IP-19(0-4)-033114	3/31/14	1435	2	S		X	X	X	X	X	X				
20		IP-18(0-4)-033114	3/31/14	1445	2	S		X	X	X	X	X	X				

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date:

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ____ Months (A fee may be assessed if samples are retained longer than 1 month)

	Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1		Weston	3/31/14	1520		TA	3/31/14	1520
2		TA	3/31/14	1630		TA	4/1/14	0600
3								

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

Illinois Environmental Protection Agency

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663 Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAP 372: IL 171 (1st Ave) from 47th St to 55th St Office Phone Number, if available: _____

Physical Site Location (address, inclduding number and street):

From NW corner of 45th Place & IL 171 to NW corner of 47th Street intersection

City: Lyons State: IL Zip Code: _____

County: Cook Township: _____

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.807474224 (Decimal Degrees) Longitude: -87.833872527 (-Decimal Degrees)

Identify how the lat/long data were determined:

☒ GPS ☐ Map Interpolation ☐ Photo Interpolation ☐ Survey ☐ Other

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner		Site Operator	
Name:	Illinois Department of Transportation	Name:	Illinois Department of Transportation
Street Address:	201 West Center Court	Street Address:	201 West Center Court
PO Box:		PO Box:	
City:	Schaumburg State: IL	City:	Schaumburg State: IL
Zip Code:	60196-1096 Phone: 847-705-4101	Zip Code:	60196-1096 Phone: 847-705-4101
Contact:	Sam Mead	Contact:	Sam Mead
Email, if available:	Sam.Mead@illinois.gov	Email, if available:	Sam.Mead@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAP 372: IL 171 (1st Ave) from 47th St to 55th St

Latitude: 41.807474224 Longitude: -87.833872527

Uncontaminated Site Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

LOCATIONS RE4-1 THROUGH RE4-4 AND RE4-6 THROUGH RE4-8 WERE SAMPLED ADJACENT TO ISGS SITE No. 1860-4. SEE FIGURES 3-8 AND 3-9 AND TABLE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201(g), 1100.205(a), 1100.610]:

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-74180-1
TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-74346-1

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Steven Gobelman, P.E., L.P.G (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman, P.E., L.P.G
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

6/12/14
Date:

P.E. or L.P.G. Seal:

STEVEN GOBELMAN
196-000598
LICENSED
PROFESSIONAL
GEOLOGIST
STATE OF ILLINOIS

Summary Table of ISGS Site No. 1860-4
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	RE4-1(0-3.5)-033114	RE4-2(0-3)-033114	RE4-3(0-2)-033114	RE4-3(0-2)-033114D	**Soil Reference Concentrations[A]**
Sample Date	3/31/2014	3/31/2014	3/31/2014	3/31/2014	
Location ID	RE4-1	RE4-2	RE4-3	RE4-3	
ISGS Site No.	1860-4	1860-4	1860-4	1860-4	
Depth	0 - 3.5	0 - 3	0 - 2	0 - 2	
Parameter					
Laboratory pH (s.u.)	8.31	8.43	8.26	8.3	<6.25,>9.0
VOCs (ug/kg)	None Detected				
SVOCs (ug/kg)					
2-Methylnaphthalene	ND	ND	ND	35 J	---
Acenaphthene	ND	ND	51 J	51 J	570000
Acenaphthylene	ND	ND	ND	65 J	85000
Anthracene	ND	ND	270	320	1.20E+07
Benzo(a)anthracene	200	130 J	940	990	900 / 1100 / 1800
Benzo(a)pyrene	280	240	670	880	90 / 1300 / 2100
Benzo(b)fluoranthene	320	260	930	1300	900 / 1500 / 2100
Benzo(g,h,i)perylene	240	180 J	530	620	2300000
Benzo(k)fluoranthene	150 J	120 J	430	420	9000
Chrysene	240	180 J	980	1000	88000
Dibenzo(a,h)anthracene	140 J	140 J	250	190	90 / 200 / 420
Fluoranthene	340	180 J	1800	2000	3100000
Fluorene	ND	ND	75 J	100 J	560000
Indeno(1,2,3-cd)pyrene	190	170 J	430	570	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	ND	37 J	1800
Phenanthrene	140 J	78 J	960	1100	210000
Pyrene	330	200	1400	1600	2300000
Total Metals (mg/kg)					
Antimony, Total	ND	ND	ND	ND	5
Arsenic, Total	6.5 J+	7.9 J+	5.8 J+	6.5 J+	11.3 / 13
Barium, Total	62	59	130	90	1500
Beryllium, Total	0.54 J	0.59 J	2 J	1 J	22
Cadmium, Total	0.84	0.75	0.86	0.79	5.2
Calcium, Total	81000 J	38000 J	100000 J	51000 J	---
Chromium, Total	16	17	16	17	21
Cobalt, Total	7.6	8.8	5.4	6	20
Copper, Total	29 B	25 B	19 B	21 B	2900
Iron, Total	16000 B	17000 B	17000 B	16000 B	15000 / 15900
Lead, Total	51 J	34 J	42 J	37 J	107
Magnesium, Total	31000 J	19000 J	25000 J	25000 J	325000
Manganese, Total	300	340	2100 J	530 J	630 / 636
Mercury, Total	0.045 J+	0.044 J+	0.035 J+	0.033 J+	0.89
Nickel, Total	21 J-	22 J-	14 J-	17 J-	100
Potassium, Total	2500 J	1900 J	2700 J	2500 J	---
Selenium, Total	ND	ND	ND	ND	1.3
Silver, Total	ND	0.036 J	0.088 J	0.02 J	4.4
Sodium, Total	1700	1000	640	400	---
Thallium, Total	ND	0.36 J	1.1	ND	2.6
Vanadium, Total	19	22	20	23	550
Zinc, Total	61 J	60 J	42 J	43 J	5100
TCLP Metals (mg/l)					
Barium, TCLP	0.49 J	0.55	0.49 J	0.47 J	2
Cadmium, TCLP	ND	ND	ND	ND	0.005
Cobalt, TCLP	ND	ND	ND	ND	1
Copper, TCLP	0.015 J	0.017 J	0.014 J	0.011 J	0.65
Lead, TCLP	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.52	0.54	3.2 J	1.1 J	0.15
Nickel, TCLP	ND	ND	ND	ND	0.1
Zinc, TCLP	0.095 J	0.11	0.094 J	0.083 J	5

Summary Table of ISGS Site No. 1860-4
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	RE4-1(0-3.5)-033114	RE4-2(0-3)-033114	RE4-3(0-2)-033114	RE4-3(0-2)-033114D	**Soil Reference Concentrations[A]**
Sample Date	3/31/2014	3/31/2014	3/31/2014	3/31/2014	
Location ID	RE4-1	RE4-2	RE4-3	RE4-3	
ISGS Site No.	1860-4	1860-4	1860-4	1860-4	
Depth	0 - 3.5	0 - 3	0 - 2	0 - 2	
Parameter					
SPLP Metals (mg/l)					
Arsenic, SPLP	0.016 J	ND	ND	ND	0.05
Barium, SPLP	ND	ND	ND	ND	2
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	0.043	0.011 J	0.014 J	0.014 J	0.1
Cobalt, SPLP	0.013 J	ND	ND	ND	1
Copper, SPLP	0.064 B	ND	ND	0.056 B	0.65
Iron, SPLP	36	5.3	6.9	7.9	5
Lead, SPLP	0.043	0.021	0.03	0.024	0.0075
Manganese, SPLP	0.2	0.16	0.13	0.098	0.15
Mercury, SPLP	6.60E-04	0.000023 J	0.000035 J	ND	0.002
Nickel, SPLP	0.041	0.011 J	ND	0.01 J	0.1
Zinc, SPLP	ND	ND	ND	ND	5

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

Shaded values indicate concentration **exceeds** Reference Concentration.

Summary Table of ISGS Site No. 1860-4
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	RE4-4(0-2)-040214	RE4-4(0-2)-040214D	RE4-6(0-2)-040214	RE4-7(0-4)-033114	RE4-8(0-4)-033114	Soil Reference Concentrations[A]
Sample Date	4/2/2014	4/2/2014	4/2/2014	3/31/2014	3/31/2014	
Location ID	RE4-4	RE4-4	RE4-6	RE4-7	RE4-8	
ISGS Site No.	1860-4	1860-4	1860-4	1860-4	1860-4	
Depth	0 - 2	0 - 2	0 - 2	0 - 4	0 - 4	
Parameter						
Laboratory pH (s.u.)	8.04	7.96	8.43	8.58	8.42	<6.25,>9.0
VOCs (ug/kg)	None Detected					
SVOCs (ug/kg)						
2-Methylnaphthalene	58 J	62	ND	ND	ND	---
Acenaphthene	14 J	9.8 J	13 J	ND	ND	570000
Acenaphthylene	ND	9.8 J	26 J	ND	ND	85000
Anthracene	22 J	28 J	56	11 J	81 J	1.20E+07
Benzo(a)anthracene	89 J	140	250	57	210	900 / 1100 / 1800
Benzo(a)pyrene	89 J	120	260	65	260	90 / 1300 / 2100
Benzo(b)fluoranthene	120 J	160	280	78	270	900 / 1500 / 2100
Benzo(g,h,i)perylene	86 J	95	64	57	180	2300000
Benzo(k)fluoranthene	56 J	90	220	39	130 J	9000
Chrysene	110	160	310	70	200	88000
Dibenzo(a,h)anthracene	ND	29 J	30 J	29 J	130 J	90 / 200 / 420
Fluoranthene	170 J-	220	500	110	350	3100000
Fluorene	13 J	14 J	19 J	ND	ND	560000
Indeno(1,2,3-cd)pyrene	52 J	79	180	44	170 J	900 / 900 / 1600
Naphthalene, SVOC	14 J	16 J	ND	ND	ND	1800
Phenanthrene	130	150	260	48	300	210000
Pyrene	190 J	310	460	110	350	2300000
Total Metals (mg/kg)						
Antimony, Total	0.78 J	0.46 J	ND	ND	ND	5
Arsenic, Total	6.4	7.6	5.9	5.6 J+	6.6 J+	11.3 / 13
Barium, Total	49	45	49	32	32	1500
Beryllium, Total	0.51	0.52	0.44	0.73 J	0.45 J	22
Cadmium, Total	0.95 J-	0.81 J-	0.66 J-	0.54 J	0.68	5.2
Calcium, Total	68000 J	47000 J	68000 J	120000 J	71000 J	---
Chromium, Total	15	15	17	11	13	21
Cobalt, Total	6.6	7.4	7.6	6.5	7	20
Copper, Total	27 J-	27 J-	32 J-	17 B	23 B	2900
Iron, Total	15000 J	17000 J	15000 J	13000 B	15000 B	15000 / 15900
Lead, Total	51 J-	31 J-	36 J-	25 J	20 J	107
Magnesium, Total	35000 J	27000 J	32000 J	80000 J	38000 J	325000
Manganese, Total	240 J+	260 J+	350 J+	330	220	630 / 636
Mercury, Total	0.036	0.03	0.033	0.022 J+	0.025 J+	0.89
Nickel, Total	20 J-	22 J-	21 J-	20 J-	18 J-	100
Potassium, Total	2300 J+	2500 J+	2200 J+	2000 J	1800 J	---
Selenium, Total	ND	ND	ND	1.4 J	ND	1.3
Silver, Total	0.068 J	0.044 J	0.036 J	ND	ND	4.4
Sodium, Total	1100	1100	2700	1900	780	---
Thallium, Total	0.26 J	0.31 J	ND	ND	0.33 J	2.6
Vanadium, Total	17	19	19	15	19	550
Zinc, Total	100 J-	100 J-	89 J-	78 J	48 J	5100
TCLP Metals (mg/l)						
Barium, TCLP	0.31 J	0.42 J	0.63	0.52	0.47 J	2
Cadmium, TCLP	0.0023 J	ND	ND	0.0033 J	ND	0.005
Cobalt, TCLP	0.021 J	0.012 J	ND	0.029	ND	1
Copper, TCLP	0.051 J	ND	0.014 J	0.014 J	0.015 J	0.65
Lead, TCLP	0.0091	ND	ND	ND	ND	0.0075
Manganese, TCLP	2	1.3	0.61	4.1	0.53	0.15
Nickel, TCLP	0.026 J	0.02 J	ND	0.039	ND	0.1
Zinc, TCLP	0.27	0.19	0.25	0.11	0.1	5

Summary Table of ISGS Site No. 1860-4
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	RE4-4(0-2)-040214	RE4-4(0-2)-040214D	RE4-6(0-2)-040214	RE4-7(0-4)-033114	RE4-8(0-4)-033114	**Soil Reference Concentrations[A]**
Sample Date	4/2/2014	4/2/2014	4/2/2014	3/31/2014	3/31/2014	
Location ID	RE4-4	RE4-4	RE4-6	RE4-7	RE4-8	
ISGS Site No.	1860-4	1860-4	1860-4	1860-4	1860-4	
Depth	0 - 2	0 - 2	0 - 2	0 - 4	0 - 4	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	ND	0.029 J	0.018 J	ND	0.05
Barium, SPLP	0.17 J	0.15 J	0.91	ND	ND	2
Cadmium, SPLP	ND	ND	0.002 J	ND	ND	0.005
Chromium, SPLP	ND	ND	0.084	0.043	0.014 J	0.1
Cobalt, SPLP	ND	ND	0.029	0.015 J	ND	1
Copper, SPLP	0.033	ND	0.14	0.077 B	ND	0.65
Iron, SPLP	0.45	0.57	79	38	9.4	5
Lead, SPLP	0.0082	0.0093	0.13	0.03	0.031	0.0075
Manganese, SPLP	0.012 J	0.026	0.49	0.38	0.076	0.15
Mercury, SPLP	ND	ND	0.00027 B	0.00012 J	0.00011 J	0.002
Nickel, SPLP	ND	ND	0.09	0.048	0.012 J	0.1
Zinc, SPLP	0.14	0.11	0.71	ND	ND	5

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

Shaded values indicate concentration **exceeds** Reference Concentration.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-74180-1
Client Project/Site: IDOT - Lyons, McCook, Summit - 050

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar

Authorized for release by:
4/9/2014 4:15:50 PM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client Sample ID: RE4-1(0-3.5)-033114
Date Collected: 03/31/14 11:10
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-8
Matrix: Solid
Percent Solids: 83.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		04/01/14 14:04	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		04/01/14 14:04	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/01/14 14:04	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		04/01/14 14:04	1
Bromomethane	<6.0	*	6.0	1.8	ug/Kg	☼		04/01/14 14:04	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		04/01/14 14:04	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		04/01/14 14:04	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		04/01/14 14:04	1
Chloroethane	<6.0	*	6.0	1.6	ug/Kg	☼		04/01/14 14:04	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		04/01/14 14:04	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		04/01/14 14:04	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		04/01/14 14:04	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		04/01/14 14:04	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/01/14 14:04	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		04/01/14 14:04	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/01/14 14:04	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		04/01/14 14:04	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		04/01/14 14:04	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		04/01/14 14:04	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		04/01/14 14:04	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		04/01/14 14:04	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		04/01/14 14:04	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		04/01/14 14:04	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		04/01/14 14:04	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		04/01/14 14:04	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		04/01/14 14:04	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/01/14 14:04	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		04/01/14 14:04	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		04/01/14 14:04	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	☼		04/01/14 14:04	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		04/01/14 14:04	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		04/01/14 14:04	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		04/01/14 14:04	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		04/01/14 14:04	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		04/01/14 14:04	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		04/01/14 14:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 122*		*04/01/14 14:04*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*04/01/14 14:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 134*		*04/01/14 14:04*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*04/01/14 14:04*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<980		980	210	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
1,2-Dichlorobenzene	<980		980	230	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
1,3-Dichlorobenzene	<980		980	220	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
1,4-Dichlorobenzene	<980		980	250	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
2,2'-oxybis[1-chloropropane]	<980		980	230	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: RE4-1(0-3.5)-033114
Date Collected: 03/31/14 11:10
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-8
Matrix: Solid
Percent Solids: 83.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1900		1900	440	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
2,4,6-Trichlorophenol	<1900		1900	670	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
2,4-Dichlorophenol	<1900		1900	460	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
2,4-Dimethylphenol	<1900		1900	740	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
2,4-Dinitrophenol	<3900		3900	3400	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
2,4-Dinitrotoluene	<980		980	310	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
2,6-Dinitrotoluene	<980		980	380	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
2-Chloronaphthalene	<980		980	220	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
2-Chlorophenol	<980		980	330	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
2-Methylnaphthalene	<190		190	36	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
2-Methylphenol	<980		980	310	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
2-Nitroaniline	<980		980	260	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
2-Nitrophenol	<1900		1900	460	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
3 & 4 Methylphenol	<980		980	330	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
3,3'-Dichlorobenzidine	<980		980	270	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
3-Nitroaniline	<1900		1900	600	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
4,6-Dinitro-2-methylphenol	<1900		1900	1600	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
4-Bromophenyl phenyl ether	<980		980	260	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
4-Chloro-3-methylphenol	<1900		1900	660	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
4-Chloroaniline	<3900		3900	920	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
4-Chlorophenyl phenyl ether	<980		980	230	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
4-Nitroaniline	<1900		1900	820	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
4-Nitrophenol	<3900		3900	1900	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Acenaphthene	<190		190	35	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Acenaphthylene	<190		190	26	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Anthracene	<190		190	33	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Benzo[a]anthracene	**200**		190	26	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Benzo[a]pyrene	**280**		190	38	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Benzo[b]fluoranthene	**320**		190	42	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Benzo[g,h,i]perylene	**240**		190	63	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Benzo[k]fluoranthene	**150**	**J**	190	57	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Bis(2-chloroethoxy)methane	<980		980	200	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Bis(2-chloroethyl)ether	<980		980	290	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Bis(2-ethylhexyl) phthalate	<980		980	360	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Butyl benzyl phthalate	<980		980	370	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Carbazole	<980		980	500	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Chrysene	**240**		190	53	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Dibenz(a,h)anthracene	**140**	**J**	190	38	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Dibenzofuran	<980		980	230	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Diethyl phthalate	<980		980	330	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Dimethyl phthalate	<980		980	250	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Di-n-butyl phthalate	<980		980	300	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Di-n-octyl phthalate	<980		980	320	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Fluoranthene	**340**		190	36	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Fluorene	<190		190	27	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Hexachlorobenzene	<390		390	45	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Hexachlorobutadiene	<980		980	310	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Hexachlorocyclopentadiene	<3900		3900	1100	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Hexachloroethane	<980		980	300	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: RE4-1(0-3.5)-033114
Date Collected: 03/31/14 11:10
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-8
Matrix: Solid
Percent Solids: 83.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	190		190	51	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Isophorone	<980		980	220	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Naphthalene	<190		190	30	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Nitrobenzene	<190		190	49	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
N-Nitrosodi-n-propylamine	<980		980	240	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
N-Nitrosodiphenylamine	<980		980	230	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Pentachlorophenol	<3900		3900	3100	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Phenanthrene	140	J	190	27	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Phenol	<980		980	430	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5
Pyrene	330		190	39	ug/Kg	☼	04/01/14 06:56	04/07/14 12:22	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*82*		*35 - 137*	*04/01/14 06:56*	*04/07/14 12:22*	*5*
2-Fluorobiphenyl	*57*		*25 - 119*	*04/01/14 06:56*	*04/07/14 12:22*	*5*
2-Fluorophenol	*53*		*25 - 110*	*04/01/14 06:56*	*04/07/14 12:22*	*5*
Nitrobenzene-d5	*51*		*25 - 115*	*04/01/14 06:56*	*04/07/14 12:22*	*5*
Phenol-d5	*57*		*31 - 110*	*04/01/14 06:56*	*04/07/14 12:22*	*5*
Terphenyl-d14	*94*		*36 - 134*	*04/01/14 06:56*	*04/07/14 12:22*	*5*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 16:52	1
Barium	0.49	J	0.50	0.050	mg/L		04/03/14 08:15	04/03/14 16:52	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/14 08:15	04/03/14 16:52	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/14 08:15	04/03/14 16:52	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:52	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:52	1
Copper	0.015	J	0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:52	1
Iron	<0.20		0.20	0.20	mg/L		04/03/14 08:15	04/03/14 16:52	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/14 08:15	04/03/14 16:52	1
Manganese	0.52		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:52	1
Nickel	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:52	1
Selenium	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 16:52	1
Silver	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 16:52	1
Zinc	0.095	J	0.10	0.020	mg/L		04/03/14 08:15	04/03/14 16:52	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.016	J	0.050	0.010	mg/L		04/02/14 09:15	04/03/14 13:32	1
Barium	0.30	J B	0.50	0.050	mg/L		04/02/14 09:15	04/03/14 13:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/02/14 09:15	04/03/14 13:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/02/14 09:15	04/03/14 13:32	1
Chromium	0.043		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:32	1
Cobalt	0.013	J	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:32	1
Copper	0.064	B	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:32	1
Iron	36		0.20	0.20	mg/L		04/02/14 09:15	04/03/14 13:32	1
Lead	0.043		0.0075	0.0075	mg/L		04/02/14 09:15	04/03/14 13:32	1
Manganese	0.20		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:32	1
Nickel	0.041		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:32	1
Selenium	<0.050		0.050	0.010	mg/L		04/02/14 09:15	04/03/14 13:32	1

Client Sample ID: RE4-1(0-3.5)-033114
Date Collected: 03/31/14 11:10
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-8
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:32	1
Zinc	**0.22**	**B**	0.10	0.020	mg/L		04/02/14 09:15	04/03/14 13:32	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.47	mg/Kg	☼	04/01/14 09:15	04/01/14 16:20	1
Arsenic	**6.5**		0.58	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 16:20	1
Barium	**62**		0.58	0.062	mg/Kg	☼	04/01/14 09:15	04/01/14 16:20	1
Beryllium	**0.54**		0.23	0.047	mg/Kg	☼	04/01/14 09:15	04/01/14 16:20	1
Cadmium	**0.84**		0.12	0.015	mg/Kg	☼	04/01/14 09:15	04/01/14 16:20	1
Calcium	**81000**	**B**	120	32	mg/Kg	☼	04/01/14 09:15	04/03/14 20:39	10
Chromium	**16**		0.58	0.068	mg/Kg	☼	04/01/14 09:15	04/01/14 16:20	1
Cobalt	**7.6**		0.29	0.058	mg/Kg	☼	04/01/14 09:15	04/01/14 16:20	1
Copper	**29**	**B**	0.58	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 16:20	1
Iron	**16000**	**B**	12	4.8	mg/Kg	☼	04/01/14 09:15	04/01/14 16:20	1
Lead	**51**	**B**	0.29	0.087	mg/Kg	☼	04/01/14 09:15	04/01/14 16:20	1
Magnesium	**31000**	**B**	5.8	1.2	mg/Kg	☼	04/01/14 09:15	04/01/14 16:20	1
Manganese	**300**		0.58	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 16:20	1
Nickel	**21**		0.58	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 16:20	1
Potassium	**2500**		29	1.8	mg/Kg	☼	04/01/14 09:15	04/01/14 16:20	1
Selenium	<0.58		0.58	0.21	mg/Kg	☼	04/01/14 09:15	04/01/14 16:20	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	04/01/14 09:15	04/01/14 16:20	1
Sodium	**1700**		58	7.8	mg/Kg	☼	04/01/14 09:15	04/01/14 16:20	1
Thallium	<0.58		0.58	0.25	mg/Kg	☼	04/01/14 09:15	04/01/14 16:20	1
Vanadium	**19**		0.29	0.043	mg/Kg	☼	04/01/14 09:15	04/01/14 16:20	1
Zinc	**61**		1.2	0.24	mg/Kg	☼	04/01/14 09:15	04/01/14 16:20	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/03/14 13:10	04/04/14 10:48	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.66**		0.20	0.020	ug/L		04/02/14 15:00	04/03/14 09:09	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**45**		20	7.8	ug/Kg	☼	04/01/14 14:20	04/02/14 09:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.31**		0.200	0.200	SU			04/06/14 11:46	1

Client Sample ID: RE4-2(0-3)-033114
Date Collected: 03/31/14 11:20
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-9
Matrix: Solid
Percent Solids: 83.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		04/02/14 11:22	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		04/02/14 11:22	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/02/14 11:22	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		04/02/14 11:22	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		04/02/14 11:22	1
Carbon disulfide	<6.0		6.0	0.89	ug/Kg	☼		04/02/14 11:22	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		04/02/14 11:22	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		04/02/14 11:22	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		04/02/14 11:22	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		04/02/14 11:22	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		04/02/14 11:22	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		04/02/14 11:22	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		04/02/14 11:22	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/02/14 11:22	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		04/02/14 11:22	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/02/14 11:22	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		04/02/14 11:22	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		04/02/14 11:22	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		04/02/14 11:22	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		04/02/14 11:22	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		04/02/14 11:22	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		04/02/14 11:22	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		04/02/14 11:22	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		04/02/14 11:22	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		04/02/14 11:22	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		04/02/14 11:22	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/02/14 11:22	1
Tetrachloroethene	<6.0		6.0	0.91	ug/Kg	☼		04/02/14 11:22	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		04/02/14 11:22	1
trans-1,2-Dichloroethene	<6.0		6.0	0.82	ug/Kg	☼		04/02/14 11:22	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		04/02/14 11:22	1
1,1,1-Trichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/02/14 11:22	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		04/02/14 11:22	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		04/02/14 11:22	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		04/02/14 11:22	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		04/02/14 11:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 122*		*04/02/14 11:22*	*1*
Dibromofluoromethane	*117*		*75 - 120*		*04/02/14 11:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*		*04/02/14 11:22*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*04/02/14 11:22*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<1000		1000	210	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
1,2-Dichlorobenzene	<1000		1000	240	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
1,3-Dichlorobenzene	<1000		1000	220	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
1,4-Dichlorobenzene	<1000		1000	250	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
2,2'-oxybis[1-chloropropane]	<1000		1000	230	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: RE4-2(0-3)-033114
Date Collected: 03/31/14 11:20
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-9
Matrix: Solid
Percent Solids: 83.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<2000		2000	450	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
2,4,6-Trichlorophenol	<2000		2000	680	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
2,4-Dichlorophenol	<2000		2000	470	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
2,4-Dimethylphenol	<2000		2000	750	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
2,4-Dinitrophenol	<4000		4000	3500	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
2,4-Dinitrotoluene	<1000		1000	320	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
2,6-Dinitrotoluene	<1000		1000	390	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
2-Chloronaphthalene	<1000		1000	220	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
2-Chlorophenol	<1000		1000	340	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
2-Methylnaphthalene	<200		200	36	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
2-Methylphenol	<1000		1000	320	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
2-Nitroaniline	<1000		1000	270	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
2-Nitrophenol	<2000		2000	470	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
3 & 4 Methylphenol	<1000		1000	330	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
3,3'-Dichlorobenzidine	<1000		1000	280	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
3-Nitroaniline	<2000		2000	620	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
4,6-Dinitro-2-methylphenol	<2000		2000	1600	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
4-Bromophenyl phenyl ether	<1000		1000	260	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
4-Chloro-3-methylphenol	<2000		2000	670	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
4-Chloroaniline	<4000		4000	930	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
4-Chlorophenyl phenyl ether	<1000		1000	230	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
4-Nitroaniline	<2000		2000	830	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
4-Nitrophenol	<4000		4000	1900	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Acenaphthene	<200		200	36	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Acenaphthylene	<200		200	26	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Anthracene	<200		200	33	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Benzo[a]anthracene	**130**	**J**	200	27	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Benzo[a]pyrene	**240**		200	38	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Benzo[b]fluoranthene	**260**		200	43	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Benzo[g,h,i]perylene	**180**	**J**	200	64	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Benzo[k]fluoranthene	**120**	**J**	200	58	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Bis(2-chloroethoxy)methane	<1000		1000	200	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Bis(2-chloroethyl)ether	<1000		1000	300	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Bis(2-ethylhexyl) phthalate	<1000		1000	360	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Butyl benzyl phthalate	<1000		1000	380	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Carbazole	<1000		1000	510	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Chrysene	**180**	**J**	200	54	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Dibenz(a,h)anthracene	**140**	**J**	200	38	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Dibenzofuran	<1000		1000	230	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Diethyl phthalate	<1000		1000	340	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Dimethyl phthalate	<1000		1000	260	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Di-n-butyl phthalate	<1000		1000	300	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Di-n-octyl phthalate	<1000		1000	320	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Fluoranthene	**180**	**J**	200	37	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Fluorene	<200		200	28	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Hexachlorobenzene	<400		400	46	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Hexachlorobutadiene	<1000		1000	310	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Hexachlorocyclopentadiene	<4000		4000	1100	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Hexachloroethane	<1000		1000	300	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5

Client Sample ID: RE4-2(0-3)-033114
Date Collected: 03/31/14 11:20
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-9
Matrix: Solid
Percent Solids: 83.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	170	J	200	51	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Isophorone	<1000		1000	220	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Naphthalene	<200		200	31	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Nitrobenzene	<200		200	50	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
N-Nitrosodi-n-propylamine	<1000		1000	240	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
N-Nitrosodiphenylamine	<1000		1000	230	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Pentachlorophenol	<4000		4000	3200	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Phenanthrene	78	J	200	28	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Phenol	<1000		1000	440	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5
Pyrene	200		200	39	ug/Kg	☼	04/01/14 06:56	04/07/14 12:40	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*106*		*35 - 137*	*04/01/14 06:56*	*04/07/14 12:40*	*5*
2-Fluorobiphenyl	*69*		*25 - 119*	*04/01/14 06:56*	*04/07/14 12:40*	*5*
2-Fluorophenol	*68*		*25 - 110*	*04/01/14 06:56*	*04/07/14 12:40*	*5*
Nitrobenzene-d5	*60*		*25 - 115*	*04/01/14 06:56*	*04/07/14 12:40*	*5*
Phenol-d5	*72*		*31 - 110*	*04/01/14 06:56*	*04/07/14 12:40*	*5*
Terphenyl-d14	*105*		*36 - 134*	*04/01/14 06:56*	*04/07/14 12:40*	*5*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 17:13	1
Barium	0.55		0.50	0.050	mg/L		04/03/14 08:15	04/03/14 17:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/14 08:15	04/03/14 17:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/14 08:15	04/03/14 17:13	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:13	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:13	1
Copper	0.017	J	0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:13	1
Iron	<0.20		0.20	0.20	mg/L		04/03/14 08:15	04/03/14 17:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/14 08:15	04/03/14 17:13	1
Manganese	0.54		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:13	1
Nickel	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:13	1
Selenium	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 17:13	1
Silver	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:13	1
Zinc	0.11		0.10	0.020	mg/L		04/03/14 08:15	04/03/14 17:13	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/02/14 09:15	04/03/14 13:38	1
Barium	0.30	J B	0.50	0.050	mg/L		04/02/14 09:15	04/03/14 13:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/02/14 09:15	04/03/14 13:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/02/14 09:15	04/03/14 13:38	1
Chromium	0.011	J	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:38	1
Cobalt	<0.025		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:38	1
Copper	0.049	B	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:38	1
Iron	5.3		0.20	0.20	mg/L		04/02/14 09:15	04/03/14 13:38	1
Lead	0.021		0.0075	0.0075	mg/L		04/02/14 09:15	04/03/14 13:38	1
Manganese	0.16		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:38	1
Nickel	0.011	J	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:38	1
Selenium	<0.050		0.050	0.010	mg/L		04/02/14 09:15	04/03/14 13:38	1

Client Sample ID: RE4-2(0-3)-033114
Date Collected: 03/31/14 11:20
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-9
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:38	1
Zinc	**0.18**	**B**	0.10	0.020	mg/L		04/02/14 09:15	04/03/14 13:38	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.48	mg/Kg	☼	04/01/14 09:15	04/01/14 16:26	1
Arsenic	**7.9**		0.59	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 16:26	1
Barium	**59**		0.59	0.063	mg/Kg	☼	04/01/14 09:15	04/01/14 16:26	1
Beryllium	**0.59**		0.24	0.047	mg/Kg	☼	04/01/14 09:15	04/01/14 16:26	1
Cadmium	**0.75**		0.12	0.015	mg/Kg	☼	04/01/14 09:15	04/01/14 16:26	1
Calcium	**38000**	**B**	12	3.2	mg/Kg	☼	04/01/14 09:15	04/01/14 16:26	1
Chromium	**17**		0.59	0.069	mg/Kg	☼	04/01/14 09:15	04/01/14 16:26	1
Cobalt	**8.8**		0.30	0.059	mg/Kg	☼	04/01/14 09:15	04/01/14 16:26	1
Copper	**25**	**B**	0.59	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 16:26	1
Iron	**17000**	**B**	12	4.9	mg/Kg	☼	04/01/14 09:15	04/01/14 16:26	1
Lead	**34**	**B**	0.30	0.088	mg/Kg	☼	04/01/14 09:15	04/01/14 16:26	1
Magnesium	**19000**	**B**	5.9	1.2	mg/Kg	☼	04/01/14 09:15	04/01/14 16:26	1
Manganese	**340**		0.59	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 16:26	1
Nickel	**22**		0.59	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 16:26	1
Potassium	**1900**		30	1.8	mg/Kg	☼	04/01/14 09:15	04/01/14 16:26	1
Selenium	<0.59		0.59	0.21	mg/Kg	☼	04/01/14 09:15	04/01/14 16:26	1
Silver	**0.036**	**J**	0.30	0.021	mg/Kg	☼	04/01/14 09:15	04/01/14 16:26	1
Sodium	**1000**		59	7.9	mg/Kg	☼	04/01/14 09:15	04/01/14 16:26	1
Thallium	**0.36**	**J**	0.59	0.25	mg/Kg	☼	04/01/14 09:15	04/01/14 16:26	1
Vanadium	**22**		0.30	0.044	mg/Kg	☼	04/01/14 09:15	04/01/14 16:26	1
Zinc	**60**		1.2	0.24	mg/Kg	☼	04/01/14 09:15	04/01/14 16:26	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/03/14 13:10	04/04/14 10:50	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.023**	**J**	0.20	0.020	ug/L		04/02/14 15:00	04/03/14 09:11	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**44**		20	7.7	ug/Kg	☼	04/01/14 14:20	04/02/14 09:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.43**		0.200	0.200	SU			04/06/14 11:48	1

Client Sample ID: RE4-3(0-2)-033114
Date Collected: 03/31/14 11:40
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-10
Matrix: Solid
Percent Solids: 85.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		04/01/14 14:50	1
Benzene	<5.8		5.8	0.80	ug/Kg	☼		04/01/14 14:50	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/01/14 14:50	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		04/01/14 14:50	1
Bromomethane	<5.8	*	5.8	1.8	ug/Kg	☼		04/01/14 14:50	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		04/01/14 14:50	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		04/01/14 14:50	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		04/01/14 14:50	1
Chloroethane	<5.8	*	5.8	1.6	ug/Kg	☼		04/01/14 14:50	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		04/01/14 14:50	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		04/01/14 14:50	1
cis-1,2-Dichloroethene	<5.8		5.8	0.83	ug/Kg	☼		04/01/14 14:50	1
cis-1,3-Dichloropropene	<5.8		5.8	0.77	ug/Kg	☼		04/01/14 14:50	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/01/14 14:50	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		04/01/14 14:50	1
1,2-Dichloroethane	<5.8		5.8	0.87	ug/Kg	☼		04/01/14 14:50	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		04/01/14 14:50	1
1,2-Dichloropropane	<5.8		5.8	0.89	ug/Kg	☼		04/01/14 14:50	1
1,3-Dichloropropene, Total	<5.8		5.8	0.77	ug/Kg	☼		04/01/14 14:50	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		04/01/14 14:50	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		04/01/14 14:50	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		04/01/14 14:50	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		04/01/14 14:50	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		04/01/14 14:50	1
Methyl tert-butyl ether	<5.8		5.8	0.97	ug/Kg	☼		04/01/14 14:50	1
Styrene	<5.8		5.8	0.77	ug/Kg	☼		04/01/14 14:50	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		04/01/14 14:50	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		04/01/14 14:50	1
Toluene	<5.8		5.8	0.82	ug/Kg	☼		04/01/14 14:50	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		04/01/14 14:50	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		04/01/14 14:50	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		04/01/14 14:50	1
1,1,2-Trichloroethane	<5.8		5.8	0.80	ug/Kg	☼		04/01/14 14:50	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		04/01/14 14:50	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		04/01/14 14:50	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/01/14 14:50	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 122*		*04/01/14 14:50*	*1*
Dibromofluoromethane	*120*		*75 - 120*		*04/01/14 14:50*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 134*		*04/01/14 14:50*	*1*
Toluene-d8 (Surr)	*96*		*75 - 122*		*04/01/14 14:50*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<950		950	200	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
1,2-Dichlorobenzene	<950		950	230	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
1,3-Dichlorobenzene	<950		950	210	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
1,4-Dichlorobenzene	<950		950	240	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
2,2'-oxybis[1-chloropropane]	<950		950	220	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: RE4-3(0-2)-033114
Date Collected: 03/31/14 11:40
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-10
Matrix: Solid
Percent Solids: 85.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1900		1900	430	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
2,4,6-Trichlorophenol	<1900		1900	650	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
2,4-Dichlorophenol	<1900		1900	450	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
2,4-Dimethylphenol	<1900		1900	720	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
2,4-Dinitrophenol	<3800		3800	3300	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
2,4-Dinitrotoluene	<950		950	300	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
2,6-Dinitrotoluene	<950		950	370	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
2-Chloronaphthalene	<950		950	210	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
2-Chlorophenol	<950		950	320	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
2-Methylnaphthalene	<190		190	35	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
2-Methylphenol	<950		950	300	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
2-Nitroaniline	<950		950	250	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
2-Nitrophenol	<1900		1900	450	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
3 & 4 Methylphenol	<950		950	320	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
3,3'-Dichlorobenzidine	<950		950	270	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
3-Nitroaniline	<1900		1900	590	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
4,6-Dinitro-2-methylphenol	<1900		1900	1500	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
4-Bromophenyl phenyl ether	<950		950	250	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
4-Chloro-3-methylphenol	<1900		1900	640	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
4-Chloroaniline	<3800		3800	890	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
4-Chlorophenyl phenyl ether	<950		950	220	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
4-Nitroaniline	<1900		1900	790	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
4-Nitrophenol	<3800		3800	1800	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Acenaphthene	**51**	**J**	190	34	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Acenaphthylene	<190		190	25	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Anthracene	**270**		190	32	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Benzo[a]anthracene	**940**		190	25	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Benzo[a]pyrene	**670**		190	37	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Benzo[b]fluoranthene	**930**		190	41	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Benzo[g,h,i]perylene	**530**		190	61	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Benzo[k]fluoranthene	**430**		190	56	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Bis(2-chloroethoxy)methane	<950		950	190	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Bis(2-chloroethyl)ether	<950		950	280	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Bis(2-ethylhexyl) phthalate	<950		950	350	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Butyl benzyl phthalate	<950		950	360	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Carbazole	<950		950	490	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Chrysene	**980**		190	52	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Dibenz(a,h)anthracene	**250**		190	37	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Dibenzofuran	<950		950	220	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Diethyl phthalate	<950		950	320	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Dimethyl phthalate	<950		950	250	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Di-n-butyl phthalate	<950		950	290	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Di-n-octyl phthalate	<950		950	310	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Fluoranthene	**1800**		190	35	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Fluorene	**75**	**J**	190	27	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Hexachlorobenzene	<380		380	44	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Hexachlorobutadiene	<950		950	300	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Hexachlorocyclopentadiene	<3800		3800	1100	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Hexachloroethane	<950		950	290	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5

Client Sample ID: RE4-3(0-2)-033114
Date Collected: 03/31/14 11:40
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-10
Matrix: Solid
Percent Solids: 85.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	430		190	49	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Isophorone	<950		950	210	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Naphthalene	<190		190	29	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Nitrobenzene	<190		190	47	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
N-Nitrosodi-n-propylamine	<950		950	230	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
N-Nitrosodiphenylamine	<950		950	220	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Pentachlorophenol	<3800		3800	3000	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Phenanthrene	960		190	26	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Phenol	<950		950	420	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5
Pyrene	1400		190	38	ug/Kg	☼	04/01/14 06:56	04/07/14 12:58	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*100*		*35 - 137*	*04/01/14 06:56*	*04/07/14 12:58*	*5*
2-Fluorobiphenyl	*81*		*25 - 119*	*04/01/14 06:56*	*04/07/14 12:58*	*5*
2-Fluorophenol	*82*		*25 - 110*	*04/01/14 06:56*	*04/07/14 12:58*	*5*
Nitrobenzene-d5	*76*		*25 - 115*	*04/01/14 06:56*	*04/07/14 12:58*	*5*
Phenol-d5	*84*		*31 - 110*	*04/01/14 06:56*	*04/07/14 12:58*	*5*
Terphenyl-d14	*119*		*36 - 134*	*04/01/14 06:56*	*04/07/14 12:58*	*5*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 17:19	1
Barium	0.49	J	0.50	0.050	mg/L		04/03/14 08:15	04/03/14 17:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/14 08:15	04/03/14 17:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/14 08:15	04/03/14 17:19	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:19	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:19	1
Copper	0.014	J	0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:19	1
Iron	<0.20		0.20	0.20	mg/L		04/03/14 08:15	04/03/14 17:19	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/14 08:15	04/03/14 17:19	1
Manganese	3.2		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:19	1
Nickel	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:19	1
Selenium	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 17:19	1
Silver	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:19	1
Zinc	0.094	J	0.10	0.020	mg/L		04/03/14 08:15	04/03/14 17:19	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/02/14 09:15	04/03/14 13:44	1
Barium	0.24	J B	0.50	0.050	mg/L		04/02/14 09:15	04/03/14 13:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/02/14 09:15	04/03/14 13:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/02/14 09:15	04/03/14 13:44	1
Chromium	0.014	J	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:44	1
Cobalt	<0.025		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:44	1
Copper	0.041	B	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:44	1
Iron	6.9		0.20	0.20	mg/L		04/02/14 09:15	04/03/14 13:44	1
Lead	0.030		0.0075	0.0075	mg/L		04/02/14 09:15	04/03/14 13:44	1
Manganese	0.13		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:44	1
Nickel	<0.025		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:44	1
Selenium	<0.050		0.050	0.010	mg/L		04/02/14 09:15	04/03/14 13:44	1

Client Sample ID: RE4-3(0-2)-033114
Date Collected: 03/31/14 11:40
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-10
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:44	1
Zinc	**0.15**	**B**	0.10	0.020	mg/L		04/02/14 09:15	04/03/14 13:44	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.46	mg/Kg	☼	04/01/14 09:15	04/01/14 16:32	1
Arsenic	**5.8**		0.57	0.11	mg/Kg	☼	04/01/14 09:15	04/01/14 16:32	1
Barium	**130**		0.57	0.061	mg/Kg	☼	04/01/14 09:15	04/01/14 16:32	1
Beryllium	**2.0**		0.23	0.046	mg/Kg	☼	04/01/14 09:15	04/01/14 16:32	1
Cadmium	**0.86**		0.11	0.014	mg/Kg	☼	04/01/14 09:15	04/01/14 16:32	1
Calcium	**100000**	**B**	110	31	mg/Kg	☼	04/01/14 09:15	04/03/14 20:43	10
Chromium	**16**		0.57	0.066	mg/Kg	☼	04/01/14 09:15	04/01/14 16:32	1
Cobalt	**5.4**		0.28	0.057	mg/Kg	☼	04/01/14 09:15	04/01/14 16:32	1
Copper	**19**	**B**	0.57	0.11	mg/Kg	☼	04/01/14 09:15	04/01/14 16:32	1
Iron	**17000**	**B**	11	4.7	mg/Kg	☼	04/01/14 09:15	04/01/14 16:32	1
Lead	**42**	**B**	0.28	0.085	mg/Kg	☼	04/01/14 09:15	04/01/14 16:32	1
Magnesium	**25000**	**B**	5.7	1.2	mg/Kg	☼	04/01/14 09:15	04/01/14 16:32	1
Manganese	**2100**		5.7	1.1	mg/Kg	☼	04/01/14 09:15	04/04/14 10:53	10
Nickel	**14**		0.57	0.11	mg/Kg	☼	04/01/14 09:15	04/01/14 16:32	1
Potassium	**2700**		28	1.7	mg/Kg	☼	04/01/14 09:15	04/01/14 16:32	1
Selenium	<0.57		0.57	0.20	mg/Kg	☼	04/01/14 09:15	04/01/14 16:32	1
Silver	**0.088**	**J**	0.28	0.021	mg/Kg	☼	04/01/14 09:15	04/01/14 16:32	1
Sodium	**640**		57	7.6	mg/Kg	☼	04/01/14 09:15	04/01/14 16:32	1
Thallium	**1.1**		0.57	0.24	mg/Kg	☼	04/01/14 09:15	04/01/14 16:32	1
Vanadium	**20**		0.28	0.042	mg/Kg	☼	04/01/14 09:15	04/01/14 16:32	1
Zinc	**42**		1.1	0.23	mg/Kg	☼	04/01/14 09:15	04/01/14 16:32	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/03/14 13:10	04/04/14 10:52	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.035**	**J**	0.20	0.020	ug/L		04/02/14 15:00	04/03/14 09:13	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**35**		18	7.1	ug/Kg	☼	04/01/14 14:20	04/02/14 09:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.26**		0.200	0.200	SU			04/06/14 11:50	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: RE4-3(0-2)-033114D
Date Collected: 03/31/14 11:40
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-11
Matrix: Solid
Percent Solids: 87.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.7		5.7	2.5	ug/Kg	☼		04/01/14 15:13	1
Benzene	<5.7		5.7	0.79	ug/Kg	☼		04/01/14 15:13	1
Bromodichloromethane	<5.7		5.7	0.99	ug/Kg	☼		04/01/14 15:13	1
Bromoform	<5.7		5.7	1.3	ug/Kg	☼		04/01/14 15:13	1
Bromomethane	<5.7	*	5.7	1.7	ug/Kg	☼		04/01/14 15:13	1
Carbon disulfide	<5.7		5.7	0.86	ug/Kg	☼		04/01/14 15:13	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	☼		04/01/14 15:13	1
Chlorobenzene	<5.7		5.7	0.58	ug/Kg	☼		04/01/14 15:13	1
Chloroethane	<5.7	*	5.7	1.6	ug/Kg	☼		04/01/14 15:13	1
Chloroform	<5.7		5.7	0.66	ug/Kg	☼		04/01/14 15:13	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	☼		04/01/14 15:13	1
cis-1,2-Dichloroethene	<5.7		5.7	0.81	ug/Kg	☼		04/01/14 15:13	1
cis-1,3-Dichloropropene	<5.7		5.7	0.75	ug/Kg	☼		04/01/14 15:13	1
Dibromochloromethane	<5.7		5.7	1.0	ug/Kg	☼		04/01/14 15:13	1
1,1-Dichloroethane	<5.7		5.7	0.91	ug/Kg	☼		04/01/14 15:13	1
1,2-Dichloroethane	<5.7		5.7	0.85	ug/Kg	☼		04/01/14 15:13	1
1,1-Dichloroethene	<5.7		5.7	0.93	ug/Kg	☼		04/01/14 15:13	1
1,2-Dichloropropane	<5.7		5.7	0.87	ug/Kg	☼		04/01/14 15:13	1
1,3-Dichloropropene, Total	<5.7		5.7	0.75	ug/Kg	☼		04/01/14 15:13	1
Ethylbenzene	<5.7		5.7	1.2	ug/Kg	☼		04/01/14 15:13	1
2-Hexanone	<5.7		5.7	1.7	ug/Kg	☼		04/01/14 15:13	1
Methylene Chloride	<5.7		5.7	1.6	ug/Kg	☼		04/01/14 15:13	1
Methyl Ethyl Ketone	<5.7		5.7	2.1	ug/Kg	☼		04/01/14 15:13	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	☼		04/01/14 15:13	1
Methyl tert-butyl ether	<5.7		5.7	0.95	ug/Kg	☼		04/01/14 15:13	1
Styrene	<5.7		5.7	0.75	ug/Kg	☼		04/01/14 15:13	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	1.2	ug/Kg	☼		04/01/14 15:13	1
Tetrachloroethene	<5.7		5.7	0.88	ug/Kg	☼		04/01/14 15:13	1
Toluene	<5.7		5.7	0.80	ug/Kg	☼		04/01/14 15:13	1
trans-1,2-Dichloroethene	<5.7		5.7	0.79	ug/Kg	☼		04/01/14 15:13	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	☼		04/01/14 15:13	1
1,1,1-Trichloroethane	<5.7		5.7	0.86	ug/Kg	☼		04/01/14 15:13	1
1,1,2-Trichloroethane	<5.7		5.7	0.78	ug/Kg	☼		04/01/14 15:13	1
Trichloroethene	<5.7		5.7	0.95	ug/Kg	☼		04/01/14 15:13	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	☼		04/01/14 15:13	1
Xylenes, Total	<11		11	0.52	ug/Kg	☼		04/01/14 15:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*108*		*70 - 122*		*04/01/14 15:13*	*1*
Dibromofluoromethane	*109*		*75 - 120*		*04/01/14 15:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*		*04/01/14 15:13*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*04/01/14 15:13*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<930		930	200	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
1,2-Dichlorobenzene	<930		930	220	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
1,3-Dichlorobenzene	<930		930	210	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
1,4-Dichlorobenzene	<930		930	240	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
2,2'-oxybis[1-chloropropane]	<930		930	210	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: RE4-3(0-2)-033114D
Date Collected: 03/31/14 11:40
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-11
Matrix: Solid
Percent Solids: 87.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1800		1800	420	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
2,4,6-Trichlorophenol	<1800		1800	640	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
2,4-Dichlorophenol	<1800		1800	440	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
2,4-Dimethylphenol	<1800		1800	700	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
2,4-Dinitrophenol	<3700		3700	3300	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
2,4-Dinitrotoluene	<930		930	290	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
2,6-Dinitrotoluene	<930		930	360	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
2-Chloronaphthalene	<930		930	200	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
2-Chlorophenol	<930		930	320	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
2-Methylnaphthalene	**35**	**J**	180	34	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
2-Methylphenol	<930		930	300	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
2-Nitroaniline	<930		930	250	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
2-Nitrophenol	<1800		1800	440	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
3 & 4 Methylphenol	<930		930	310	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
3,3'-Dichlorobenzidine	<930		930	260	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
3-Nitroaniline	<1800		1800	570	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
4,6-Dinitro-2-methylphenol	<1800		1800	1500	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
4-Bromophenyl phenyl ether	<930		930	240	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
4-Chloro-3-methylphenol	<1800		1800	630	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
4-Chloroaniline	<3700		3700	870	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
4-Chlorophenyl phenyl ether	<930		930	220	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
4-Nitroaniline	<1800		1800	780	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
4-Nitrophenol	<3700		3700	1800	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Acenaphthene	**51**	**J**	180	33	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Acenaphthylene	**65**	**J**	180	24	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Anthracene	**320**		180	31	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Benzo[a]anthracene	**990**		180	25	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Benzo[a]pyrene	**880**		180	36	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Benzo[b]fluoranthene	**1300**		180	40	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Benzo[g,h,i]perylene	**620**		180	60	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Benzo[k]fluoranthene	**420**		180	55	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Bis(2-chloroethoxy)methane	<930		930	190	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Bis(2-chloroethyl)ether	<930		930	280	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Bis(2-ethylhexyl) phthalate	<930		930	340	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Butyl benzyl phthalate	<930		930	350	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Carbazole	<930		930	480	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Chrysene	**1000**		180	51	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Dibenz(a,h)anthracene	**190**		180	36	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Dibenzofuran	<930		930	220	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Diethyl phthalate	<930		930	310	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Dimethyl phthalate	<930		930	240	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Di-n-butyl phthalate	<930		930	280	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Di-n-octyl phthalate	<930		930	300	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Fluoranthene	**2000**		180	34	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Fluorene	**100**	**J**	180	26	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Hexachlorobenzene	<370		370	43	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Hexachlorobutadiene	<930		930	290	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Hexachlorocyclopentadiene	<3700		3700	1100	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Hexachloroethane	<930		930	280	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: RE4-3(0-2)-033114D
Date Collected: 03/31/14 11:40
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-11
Matrix: Solid
Percent Solids: 87.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	570		180	48	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Isophorone	<930		930	210	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Naphthalene	37	J	180	29	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Nitrobenzene	<180		180	46	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
N-Nitrosodi-n-propylamine	<930		930	230	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
N-Nitrosodiphenylamine	<930		930	220	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Pentachlorophenol	<3700		3700	3000	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Phenanthrene	1100		180	26	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Phenol	<930		930	410	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5
Pyrene	1600		180	37	ug/Kg	☼	04/01/14 06:56	04/03/14 22:57	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*98*		*35 - 137*	*04/01/14 06:56*	*04/03/14 22:57*	*5*
2-Fluorobiphenyl	*83*		*25 - 119*	*04/01/14 06:56*	*04/03/14 22:57*	*5*
2-Fluorophenol	*81*		*25 - 110*	*04/01/14 06:56*	*04/03/14 22:57*	*5*
Nitrobenzene-d5	*72*		*25 - 115*	*04/01/14 06:56*	*04/03/14 22:57*	*5*
Phenol-d5	*89*		*31 - 110*	*04/01/14 06:56*	*04/03/14 22:57*	*5*
Terphenyl-d14	*105*		*36 - 134*	*04/01/14 06:56*	*04/03/14 22:57*	*5*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 17:25	1
Barium	0.47	J	0.50	0.050	mg/L		04/03/14 08:15	04/03/14 17:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/14 08:15	04/03/14 17:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/14 08:15	04/03/14 17:25	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:25	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:25	1
Copper	0.011	J	0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:25	1
Iron	<0.20		0.20	0.20	mg/L		04/03/14 08:15	04/03/14 17:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/14 08:15	04/03/14 17:25	1
Manganese	1.1		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:25	1
Nickel	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:25	1
Selenium	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 17:25	1
Silver	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:25	1
Zinc	0.083	J	0.10	0.020	mg/L		04/03/14 08:15	04/03/14 17:25	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/02/14 09:15	04/03/14 13:51	1
Barium	0.27	J B	0.50	0.050	mg/L		04/02/14 09:15	04/03/14 13:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/02/14 09:15	04/03/14 13:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/02/14 09:15	04/03/14 13:51	1
Chromium	0.014	J	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:51	1
Cobalt	<0.025		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:51	1
Copper	0.056	B	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:51	1
Iron	7.9		0.20	0.20	mg/L		04/02/14 09:15	04/03/14 13:51	1
Lead	0.024		0.0075	0.0075	mg/L		04/02/14 09:15	04/03/14 13:51	1
Manganese	0.098		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:51	1
Nickel	0.010	J	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:51	1
Selenium	<0.050		0.050	0.010	mg/L		04/02/14 09:15	04/03/14 13:51	1

Client Sample ID: RE4-3(0-2)-033114D
Date Collected: 03/31/14 11:40
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-11
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:51	1
Zinc	**0.17**	**B**	0.10	0.020	mg/L		04/02/14 09:15	04/03/14 13:51	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.46	mg/Kg	☼	04/01/14 09:15	04/01/14 16:38	1
Arsenic	**6.5**		0.57	0.11	mg/Kg	☼	04/01/14 09:15	04/01/14 16:38	1
Barium	**90**		0.57	0.061	mg/Kg	☼	04/01/14 09:15	04/01/14 16:38	1
Beryllium	**1.0**		0.23	0.045	mg/Kg	☼	04/01/14 09:15	04/01/14 16:38	1
Cadmium	**0.79**		0.11	0.014	mg/Kg	☼	04/01/14 09:15	04/01/14 16:38	1
Calcium	**51000**	**B**	11	3.1	mg/Kg	☼	04/01/14 09:15	04/01/14 16:38	1
Chromium	**17**		0.57	0.066	mg/Kg	☼	04/01/14 09:15	04/01/14 16:38	1
Cobalt	**6.0**		0.28	0.057	mg/Kg	☼	04/01/14 09:15	04/01/14 16:38	1
Copper	**21**	**B**	0.57	0.11	mg/Kg	☼	04/01/14 09:15	04/01/14 16:38	1
Iron	**16000**	**B**	11	4.7	mg/Kg	☼	04/01/14 09:15	04/01/14 16:38	1
Lead	**37**	**B**	0.28	0.084	mg/Kg	☼	04/01/14 09:15	04/01/14 16:38	1
Magnesium	**25000**	**B**	5.7	1.2	mg/Kg	☼	04/01/14 09:15	04/01/14 16:38	1
Manganese	**530**		0.57	0.11	mg/Kg	☼	04/01/14 09:15	04/01/14 16:38	1
Nickel	**17**		0.57	0.11	mg/Kg	☼	04/01/14 09:15	04/01/14 16:38	1
Potassium	**2500**		28	1.7	mg/Kg	☼	04/01/14 09:15	04/01/14 16:38	1
Selenium	<0.57		0.57	0.20	mg/Kg	☼	04/01/14 09:15	04/01/14 16:38	1
Silver	**0.020**	**J**	0.28	0.020	mg/Kg	☼	04/01/14 09:15	04/01/14 16:38	1
Sodium	**400**		57	7.6	mg/Kg	☼	04/01/14 09:15	04/01/14 16:38	1
Thallium	<0.57		0.57	0.24	mg/Kg	☼	04/01/14 09:15	04/01/14 16:38	1
Vanadium	**23**		0.28	0.042	mg/Kg	☼	04/01/14 09:15	04/01/14 16:38	1
Zinc	**43**		1.1	0.23	mg/Kg	☼	04/01/14 09:15	04/01/14 16:38	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/03/14 13:10	04/04/14 10:54	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/02/14 15:00	04/03/14 09:15	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**33**		17	6.8	ug/Kg	☼	04/01/14 14:20	04/02/14 09:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.30**		0.200	0.200	SU			04/06/14 11:52	1

Client Sample ID: RE4-8(0-4)-033114
Date Collected: 03/31/14 12:10
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-12
Matrix: Solid
Percent Solids: 86.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		04/01/14 15:36	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		04/01/14 15:36	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/01/14 15:36	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		04/01/14 15:36	1
Bromomethane	<5.8	*	5.8	1.7	ug/Kg	☼		04/01/14 15:36	1
Carbon disulfide	<5.8		5.8	0.86	ug/Kg	☼		04/01/14 15:36	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		04/01/14 15:36	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		04/01/14 15:36	1
Chloroethane	<5.8	*	5.8	1.6	ug/Kg	☼		04/01/14 15:36	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		04/01/14 15:36	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		04/01/14 15:36	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		04/01/14 15:36	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		04/01/14 15:36	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/01/14 15:36	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		04/01/14 15:36	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		04/01/14 15:36	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		04/01/14 15:36	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		04/01/14 15:36	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		04/01/14 15:36	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		04/01/14 15:36	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		04/01/14 15:36	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		04/01/14 15:36	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		04/01/14 15:36	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		04/01/14 15:36	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		04/01/14 15:36	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		04/01/14 15:36	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		04/01/14 15:36	1
Tetrachloroethene	<5.8		5.8	0.88	ug/Kg	☼		04/01/14 15:36	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		04/01/14 15:36	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		04/01/14 15:36	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		04/01/14 15:36	1
1,1,1-Trichloroethane	<5.8		5.8	0.86	ug/Kg	☼		04/01/14 15:36	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		04/01/14 15:36	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		04/01/14 15:36	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		04/01/14 15:36	1
Xylenes, Total	<12		12	0.52	ug/Kg	☼		04/01/14 15:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 122*		*04/01/14 15:36*	*1*
Dibromofluoromethane	*117*		*75 - 120*		*04/01/14 15:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 134*		*04/01/14 15:36*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*04/01/14 15:36*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<930		930	200	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
1,2-Dichlorobenzene	<930		930	220	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
1,3-Dichlorobenzene	<930		930	210	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
1,4-Dichlorobenzene	<930		930	240	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
2,2'-oxybis[1-chloropropane]	<930		930	220	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: RE4-8(0-4)-033114
Date Collected: 03/31/14 12:10
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-12
Matrix: Solid
Percent Solids: 86.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1800		1800	420	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
2,4,6-Trichlorophenol	<1800		1800	640	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
2,4-Dichlorophenol	<1800		1800	440	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
2,4-Dimethylphenol	<1800		1800	700	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
2,4-Dinitrophenol	<3700		3700	3300	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
2,4-Dinitrotoluene	<930		930	290	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
2,6-Dinitrotoluene	<930		930	360	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
2-Chloronaphthalene	<930		930	210	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
2-Chlorophenol	<930		930	320	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
2-Methylnaphthalene	<180		180	34	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
2-Methylphenol	<930		930	300	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
2-Nitroaniline	<930		930	250	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
2-Nitrophenol	<1800		1800	440	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
3 & 4 Methylphenol	<930		930	310	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
3,3'-Dichlorobenzidine	<930		930	260	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
3-Nitroaniline	<1800		1800	580	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
4,6-Dinitro-2-methylphenol	<1800		1800	1500	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
4-Bromophenyl phenyl ether	<930		930	240	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
4-Chloro-3-methylphenol	<1800		1800	630	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
4-Chloroaniline	<3700		3700	870	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
4-Chlorophenyl phenyl ether	<930		930	220	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
4-Nitroaniline	<1800		1800	780	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
4-Nitrophenol	<3700		3700	1800	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Acenaphthene	<180		180	33	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Acenaphthylene	<180		180	24	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Anthracene	**81**	**J**	180	31	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Benzo[a]anthracene	**210**		180	25	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Benzo[a]pyrene	**260**		180	36	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Benzo[b]fluoranthene	**270**		180	40	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Benzo[g,h,i]perylene	**180**		180	60	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Benzo[k]fluoranthene	**130**	**J**	180	55	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Bis(2-chloroethoxy)methane	<930		930	190	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Bis(2-chloroethyl)ether	<930		930	280	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Bis(2-ethylhexyl) phthalate	<930		930	340	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Butyl benzyl phthalate	<930		930	350	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Carbazole	<930		930	480	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Chrysene	**200**		180	51	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Dibenz(a,h)anthracene	**130**	**J**	180	36	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Dibenzofuran	<930		930	220	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Diethyl phthalate	<930		930	310	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Dimethyl phthalate	<930		930	240	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Di-n-butyl phthalate	<930		930	280	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Di-n-octyl phthalate	<930		930	300	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Fluoranthene	**350**		180	34	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Fluorene	<180		180	26	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Hexachlorobenzene	<370		370	43	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Hexachlorobutadiene	<930		930	290	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Hexachlorocyclopentadiene	<3700		3700	1100	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Hexachloroethane	<930		930	280	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5

Client Sample ID: RE4-8(0-4)-033114
Date Collected: 03/31/14 12:10
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-12
Matrix: Solid
Percent Solids: 86.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	170	J	180	48	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Isophorone	<930		930	210	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Naphthalene	<180		180	29	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Nitrobenzene	<180		180	46	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
N-Nitrosodi-n-propylamine	<930		930	230	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
N-Nitrosodiphenylamine	<930		930	220	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Pentachlorophenol	<3700		3700	3000	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Phenanthrene	300		180	26	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Phenol	<930		930	410	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5
Pyrene	350		180	37	ug/Kg	☼	04/01/14 06:56	04/07/14 13:17	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*104*		*35 - 137*	*04/01/14 06:56*	*04/07/14 13:17*	*5*
2-Fluorobiphenyl	*73*		*25 - 119*	*04/01/14 06:56*	*04/07/14 13:17*	*5*
2-Fluorophenol	*79*		*25 - 110*	*04/01/14 06:56*	*04/07/14 13:17*	*5*
Nitrobenzene-d5	*67*		*25 - 115*	*04/01/14 06:56*	*04/07/14 13:17*	*5*
Phenol-d5	*80*		*31 - 110*	*04/01/14 06:56*	*04/07/14 13:17*	*5*
Terphenyl-d14	*111*		*36 - 134*	*04/01/14 06:56*	*04/07/14 13:17*	*5*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 17:32	1
Barium	0.47	J	0.50	0.050	mg/L		04/03/14 08:15	04/03/14 17:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/14 08:15	04/03/14 17:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/14 08:15	04/03/14 17:32	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:32	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:32	1
Copper	0.015	J	0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:32	1
Iron	<0.20		0.20	0.20	mg/L		04/03/14 08:15	04/03/14 17:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/14 08:15	04/03/14 17:32	1
Manganese	0.53		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:32	1
Nickel	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:32	1
Selenium	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 17:32	1
Silver	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:32	1
Zinc	0.10		0.10	0.020	mg/L		04/03/14 08:15	04/03/14 17:32	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/02/14 09:15	04/03/14 13:57	1
Barium	0.27	J B	0.50	0.050	mg/L		04/02/14 09:15	04/03/14 13:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/02/14 09:15	04/03/14 13:57	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/02/14 09:15	04/03/14 13:57	1
Chromium	0.014	J	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:57	1
Cobalt	<0.025		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:57	1
Copper	0.047	B	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:57	1
Iron	9.4		0.20	0.20	mg/L		04/02/14 09:15	04/03/14 13:57	1
Lead	0.031		0.0075	0.0075	mg/L		04/02/14 09:15	04/03/14 13:57	1
Manganese	0.076		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:57	1
Nickel	0.012	J	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:57	1
Selenium	<0.050		0.050	0.010	mg/L		04/02/14 09:15	04/03/14 13:57	1

Client Sample ID: RE4-8(0-4)-033114
Date Collected: 03/31/14 12:10
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-12
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 13:57	1
Zinc	**0.18**	**B**	0.10	0.020	mg/L		04/02/14 09:15	04/03/14 13:57	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.44	mg/Kg	☼	04/01/14 09:15	04/01/14 16:59	1
Arsenic	**6.6**		0.55	0.11	mg/Kg	☼	04/01/14 09:15	04/01/14 16:59	1
Barium	**32**		0.55	0.059	mg/Kg	☼	04/01/14 09:15	04/01/14 16:59	1
Beryllium	**0.45**		0.22	0.044	mg/Kg	☼	04/01/14 09:15	04/01/14 16:59	1
Cadmium	**0.68**		0.11	0.014	mg/Kg	☼	04/01/14 09:15	04/01/14 16:59	1
Calcium	**71000**	**B**	110	30	mg/Kg	☼	04/01/14 09:15	04/03/14 20:47	10
Chromium	**13**		0.55	0.064	mg/Kg	☼	04/01/14 09:15	04/01/14 16:59	1
Cobalt	**7.0**		0.28	0.055	mg/Kg	☼	04/01/14 09:15	04/01/14 16:59	1
Copper	**23**	**B**	0.55	0.11	mg/Kg	☼	04/01/14 09:15	04/01/14 16:59	1
Iron	**15000**	**B**	11	4.5	mg/Kg	☼	04/01/14 09:15	04/01/14 16:59	1
Lead	**20**	**B**	0.28	0.082	mg/Kg	☼	04/01/14 09:15	04/01/14 16:59	1
Magnesium	**38000**	**B**	5.5	1.1	mg/Kg	☼	04/01/14 09:15	04/01/14 16:59	1
Manganese	**220**		0.55	0.11	mg/Kg	☼	04/01/14 09:15	04/01/14 16:59	1
Nickel	**18**		0.55	0.11	mg/Kg	☼	04/01/14 09:15	04/01/14 16:59	1
Potassium	**1800**		28	1.7	mg/Kg	☼	04/01/14 09:15	04/01/14 16:59	1
Selenium	<0.55		0.55	0.20	mg/Kg	☼	04/01/14 09:15	04/01/14 16:59	1
Silver	<0.28		0.28	0.020	mg/Kg	☼	04/01/14 09:15	04/01/14 16:59	1
Sodium	**780**		55	7.4	mg/Kg	☼	04/01/14 09:15	04/01/14 16:59	1
Thallium	**0.33**	**J**	0.55	0.23	mg/Kg	☼	04/01/14 09:15	04/01/14 16:59	1
Vanadium	**19**		0.28	0.041	mg/Kg	☼	04/01/14 09:15	04/01/14 16:59	1
Zinc	**48**		1.1	0.22	mg/Kg	☼	04/01/14 09:15	04/01/14 16:59	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/03/14 13:10	04/04/14 10:56	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.11**	**J**	0.20	0.020	ug/L		04/02/14 15:00	04/03/14 09:17	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**25**		17	6.5	ug/Kg	☼	04/01/14 14:20	04/02/14 09:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.42**		0.200	0.200	SU			04/06/14 11:54	1

Client Sample ID: RE4-7(0-4)-033114
Date Collected: 03/31/14 12:25
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-13
Matrix: Solid
Percent Solids: 85.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		04/01/14 15:58	1
Benzene	<5.8		5.8	0.80	ug/Kg	☼		04/01/14 15:58	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/01/14 15:58	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		04/01/14 15:58	1
Bromomethane	<5.8	*	5.8	1.8	ug/Kg	☼		04/01/14 15:58	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		04/01/14 15:58	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		04/01/14 15:58	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		04/01/14 15:58	1
Chloroethane	<5.8	*	5.8	1.6	ug/Kg	☼		04/01/14 15:58	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		04/01/14 15:58	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		04/01/14 15:58	1
cis-1,2-Dichloroethene	<5.8		5.8	0.83	ug/Kg	☼		04/01/14 15:58	1
cis-1,3-Dichloropropene	<5.8		5.8	0.77	ug/Kg	☼		04/01/14 15:58	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/01/14 15:58	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		04/01/14 15:58	1
1,2-Dichloroethane	<5.8		5.8	0.87	ug/Kg	☼		04/01/14 15:58	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		04/01/14 15:58	1
1,2-Dichloropropane	<5.8		5.8	0.89	ug/Kg	☼		04/01/14 15:58	1
1,3-Dichloropropene, Total	<5.8		5.8	0.77	ug/Kg	☼		04/01/14 15:58	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		04/01/14 15:58	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		04/01/14 15:58	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		04/01/14 15:58	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		04/01/14 15:58	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		04/01/14 15:58	1
Methyl tert-butyl ether	<5.8		5.8	0.97	ug/Kg	☼		04/01/14 15:58	1
Styrene	<5.8		5.8	0.77	ug/Kg	☼		04/01/14 15:58	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		04/01/14 15:58	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		04/01/14 15:58	1
Toluene	<5.8		5.8	0.82	ug/Kg	☼		04/01/14 15:58	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		04/01/14 15:58	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		04/01/14 15:58	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		04/01/14 15:58	1
1,1,2-Trichloroethane	<5.8		5.8	0.80	ug/Kg	☼		04/01/14 15:58	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		04/01/14 15:58	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		04/01/14 15:58	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/01/14 15:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 122*		*04/01/14 15:58*	*1*
Dibromofluoromethane	*115*		*75 - 120*		*04/01/14 15:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 134*		*04/01/14 15:58*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*04/01/14 15:58*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: RE4-7(0-4)-033114
Date Collected: 03/31/14 12:25
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-13
Matrix: Solid
Percent Solids: 85.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	84	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
2-Methylnaphthalene	<37		37	6.8	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
2-Methylphenol	<190		190	59	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Anthracene	**11**	**J**	37	6.2	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Benzo[a]anthracene	**57**		37	5.0	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Benzo[a]pyrene	**65**		37	7.1	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Benzo[b]fluoranthene	**78**		37	8.0	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Benzo[g,h,i]perylene	**57**		37	12	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Benzo[k]fluoranthene	**39**		37	11	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Bis(2-ethylhexyl) phthalate	<190		190	67	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Carbazole	<190		190	95	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Chrysene	**70**		37	10	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Dibenz(a,h)anthracene	**29**	**J**	37	7.1	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Dibenzofuran	<190		190	43	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Fluoranthene	**110**		37	6.8	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Fluorene	<37		37	5.2	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Hexachlorobenzene	<74		74	8.6	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Hexachloroethane	<190		190	56	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: RE4-7(0-4)-033114
Date Collected: 03/31/14 12:25
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-13
Matrix: Solid
Percent Solids: 85.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	44		37	9.6	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Isophorone	<190		190	41	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Naphthalene	<37		37	5.7	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
N-Nitrosodi-n-propylamine	<190		190	45	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Phenanthrene	48		37	5.1	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Phenol	<190		190	82	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1
Pyrene	110		37	7.3	ug/Kg	☼	04/01/14 06:56	04/07/14 13:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*96*		*35 - 137*	*04/01/14 06:56*	*04/07/14 13:35*	*1*
2-Fluorobiphenyl	*75*		*25 - 119*	*04/01/14 06:56*	*04/07/14 13:35*	*1*
2-Fluorophenol	*69*		*25 - 110*	*04/01/14 06:56*	*04/07/14 13:35*	*1*
Nitrobenzene-d5	*70*		*25 - 115*	*04/01/14 06:56*	*04/07/14 13:35*	*1*
Phenol-d5	*76*		*31 - 110*	*04/01/14 06:56*	*04/07/14 13:35*	*1*
Terphenyl-d14	*140*	*X*	*36 - 134*	*04/01/14 06:56*	*04/07/14 13:35*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 17:38	1
Barium	0.52		0.50	0.050	mg/L		04/03/14 08:15	04/03/14 17:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/14 08:15	04/03/14 17:38	1
Cadmium	0.0033	J	0.0050	0.0020	mg/L		04/03/14 08:15	04/03/14 17:38	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:38	1
Cobalt	0.029		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:38	1
Copper	0.014	J	0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:38	1
Iron	<0.20		0.20	0.20	mg/L		04/03/14 08:15	04/03/14 17:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/14 08:15	04/03/14 17:38	1
Manganese	4.1		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:38	1
Nickel	0.039		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:38	1
Selenium	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 17:38	1
Silver	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:38	1
Zinc	0.11		0.10	0.020	mg/L		04/03/14 08:15	04/03/14 17:38	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.018	J	0.050	0.010	mg/L		04/02/14 09:15	04/03/14 14:03	1
Barium	0.39	J B	0.50	0.050	mg/L		04/02/14 09:15	04/03/14 14:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/02/14 09:15	04/03/14 14:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/02/14 09:15	04/03/14 14:03	1
Chromium	0.043		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:03	1
Cobalt	0.015	J	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:03	1
Copper	0.077	B	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:03	1
Iron	38		0.20	0.20	mg/L		04/02/14 09:15	04/03/14 14:03	1
Lead	0.030		0.0075	0.0075	mg/L		04/02/14 09:15	04/03/14 14:03	1
Manganese	0.38		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:03	1
Nickel	0.048		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:03	1
Selenium	<0.050		0.050	0.010	mg/L		04/02/14 09:15	04/03/14 14:03	1

Client Sample ID: RE4-7(0-4)-033114
Date Collected: 03/31/14 12:25
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-13
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:03	1
Zinc	**0.23**	**B**	0.10	0.020	mg/L		04/02/14 09:15	04/03/14 14:03	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<5.8		5.8	2.3	mg/Kg	☼	04/01/14 09:15	04/03/14 21:00	5
Arsenic	**5.6**		2.9	0.58	mg/Kg	☼	04/01/14 09:15	04/04/14 10:49	5
Barium	**32**		2.9	0.31	mg/Kg	☼	04/01/14 09:15	04/03/14 21:00	5
Beryllium	**0.73**	**J**	1.2	0.23	mg/Kg	☼	04/01/14 09:15	04/03/14 21:00	5
Cadmium	**0.54**	**J**	0.58	0.074	mg/Kg	☼	04/01/14 09:15	04/03/14 21:00	5
Calcium	**120000**	**B**	58	16	mg/Kg	☼	04/01/14 09:15	04/03/14 21:00	5
Chromium	**11**		0.58	0.067	mg/Kg	☼	04/01/14 09:15	04/01/14 17:05	1
Cobalt	**6.5**		1.4	0.29	mg/Kg	☼	04/01/14 09:15	04/03/14 21:00	5
Copper	**17**	**B**	2.9	0.58	mg/Kg	☼	04/01/14 09:15	04/03/14 21:00	5
Iron	**13000**	**B**	58	24	mg/Kg	☼	04/01/14 09:15	04/03/14 21:00	5
Lead	**25**	**B**	1.4	0.43	mg/Kg	☼	04/01/14 09:15	04/03/14 21:00	5
Magnesium	**80000**	**B**	29	6.0	mg/Kg	☼	04/01/14 09:15	04/03/14 21:00	5
Manganese	**330**		2.9	0.58	mg/Kg	☼	04/01/14 09:15	04/04/14 10:49	5
Nickel	**20**		2.9	0.58	mg/Kg	☼	04/01/14 09:15	04/03/14 21:00	5
Potassium	**2000**		29	1.7	mg/Kg	☼	04/01/14 09:15	04/01/14 17:05	1
Selenium	**1.4**	**J**	2.9	1.0	mg/Kg	☼	04/01/14 09:15	04/03/14 21:00	5
Silver	<1.4		1.4	0.10	mg/Kg	☼	04/01/14 09:15	04/04/14 10:49	5
Sodium	**1900**		58	7.8	mg/Kg	☼	04/01/14 09:15	04/01/14 17:05	1
Thallium	<2.9		2.9	1.2	mg/Kg	☼	04/01/14 09:15	04/04/14 10:49	5
Vanadium	**15**		1.4	0.21	mg/Kg	☼	04/01/14 09:15	04/03/14 21:00	5
Zinc	**78**		5.8	1.2	mg/Kg	☼	04/01/14 09:15	04/04/14 10:49	5

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/03/14 13:10	04/04/14 10:58	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.12**	**J**	0.20	0.020	ug/L		04/02/14 15:00	04/03/14 09:19	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**22**		18	7.1	ug/Kg	☼	04/01/14 14:20	04/02/14 09:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.58**		0.200	0.200	SU			04/06/14 11:56	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F3	Duplicate RPD exceeds the control limit
F1	MS and/or MSD Recovery exceeds the control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-14 *

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

* Expired certification is currently pending renewal and is considered valid.

TestAmerica

THE LEADER IN ENVIRONMENT

2417 Bond Street, University Park, IL
Phone: 708.534.5200 Fax: 708.5

500-74180 COC

(optional)
Report To
Contact: S. Babusukumar
Company: Weston
Address: 750 E. Bunker Court Suite 500
Address: Vernon Hills, IL, 60061
Phone: 847-918-4018
Fax:
E-Mail:

(optional)
Bill To
Contact:
Company:
Address:
Address: SAME
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74180
Chain of Custody Number:
Page 1 of 3
Temperature °C of Cooler: 3.9

Client: Weston
Client Project #:
Project Name: IDOT-050/051
Project Location/State: McCook, IL
Lab Project #:
Sampler: Dan Cukierski
Lab PM:

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
1		RE2-4(0-4)-033114	3/31/14	0850	2	S		X	X	X	X	X					
2		RE2-4(0-4)-033114D	3/31/14	0850	2	S		X	X	X	X	X					
3		RE2-3(0-4)-033114	3/31/14	0910	2	S		X	X	X	X	X					
4		RE2-1(0-2)-033114	3/31/14	1000	2	S		X	X	X	X	X					
5		RE2-2(0-4)-033114	3/31/14	1010	2	S		X	X	X	X	X					
6		JE-1(0-3.5)-033114	3/31/14	1035	2	S		X	X	X	X	X					
7		JE-2(0-2.5)-033114	3/31/14	1050	2	S		X	X	X	X	X					
8	DC	~~RE3~~ RE4-1(0-3.5)-033114	3/31/14	1110	2	S		X	X	X	X	X					
9		RE4-2(0-3)-033114	3/31/14	1120	2	S		X	X	X	X	X					
10		RE4-3(0-2)-033114	3/31/14	1140	2	S		X	X	X	X	X					

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days standard Other
Requested Due Date

Sample Disposal
☐ Return to Client ☒ Disposal by Lab ☐ Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	3/31/14	1520		TA	3/31/14	1520
	TA	3/31/14	1630		TA	4/1/14	0600

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)

Report To
Contact: S. Babusukumar
Company: Weston
Address: 750 E Bunker Court Suite 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax:
E-Mail:

(optional)

Bill To
Contact:
Company: SAMB
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74180

Chain of Custody Number:

Page 2 of 3

Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT-050-051
Project Location/State: McCook, IL
Lab Project #:
Sampler: Dan Cukierski
Lab PM:

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Total Aluminum	RCRA			Comments
11		RB4-3(0-2)-033114D	3/31/14	1140	2	S		X	X	X	X	X					
12		RB4-8(0-4)-033114	3/31/14	1210	2	S		X	X	X	X	X					
13		RB4-7(0-4)-033114	3/31/14	1225	2	S		X	X	X	X	X					
14		ID-4(0-4)-033114	3/31/14	1255	2	S		X	X	X	X	X					
15		IP-23(0-2)-033114	3/31/14	1330	2	S		X	X	X	X	X	X				
16		IP-22(0-4)-033114	3/31/14	1345	2	S		X	X	X	X	X	X				
17		IP-21(0-4)-033114	3/31/14	1355	2	S		X	X	X	X	X	X				
18		IP-20(0-4)-033114	3/31/14	1410	2	S		X	X	X	X	X	X				
19		IP-19(0-4)-033114	3/31/14	1435	2	S		X	X	X	X	X	X				
20		IP-18(0-4)-033114	3/31/14	1445	2	S		X	X	X	X	X	X				

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date:

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ____ Months (A fee may be assessed if samples are retained longer than 1 month)

	Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1		Weston	3/31/14	1520		TA	3/31/14	1520
2		TA	3/31/14	1630		TA	4/1/14	0600
3								

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-74346-1
Client Project/Site: IDOT - Lyons, McCook, Summit - 050

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar

Authorized for release by:
4/14/2014 11:09:10 AM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

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Results relate only to the items tested and the sample(s) as received by the laboratory.

Client Sample ID: RE4-4(0-2)-040214
Date Collected: 04/02/14 08:20
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-1
Matrix: Solid
Percent Solids: 86.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		04/03/14 16:12	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		04/03/14 16:12	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/03/14 16:12	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		04/03/14 16:12	1
Bromomethane	<5.8		5.8	1.7	ug/Kg	☼		04/03/14 16:12	1
Carbon disulfide	<5.8		5.8	0.86	ug/Kg	☼		04/03/14 16:12	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		04/03/14 16:12	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		04/03/14 16:12	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		04/03/14 16:12	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		04/03/14 16:12	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		04/03/14 16:12	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		04/03/14 16:12	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		04/03/14 16:12	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/03/14 16:12	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		04/03/14 16:12	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		04/03/14 16:12	1
1,1-Dichloroethene	<5.8		5.8	0.93	ug/Kg	☼		04/03/14 16:12	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		04/03/14 16:12	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		04/03/14 16:12	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		04/03/14 16:12	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		04/03/14 16:12	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		04/03/14 16:12	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		04/03/14 16:12	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		04/03/14 16:12	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		04/03/14 16:12	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		04/03/14 16:12	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		04/03/14 16:12	1
Tetrachloroethene	<5.8		5.8	0.88	ug/Kg	☼		04/03/14 16:12	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		04/03/14 16:12	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		04/03/14 16:12	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		04/03/14 16:12	1
1,1,1-Trichloroethane	<5.8		5.8	0.86	ug/Kg	☼		04/03/14 16:12	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		04/03/14 16:12	1
Trichloroethene	<5.8		5.8	0.95	ug/Kg	☼		04/03/14 16:12	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		04/03/14 16:12	1
Xylenes, Total	<12		12	0.52	ug/Kg	☼		04/03/14 16:12	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*120*		*70 - 122*		*04/03/14 16:12*	*1*
Dibromofluoromethane	*113*		*75 - 120*		*04/03/14 16:12*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 134*		*04/03/14 16:12*	*1*
Toluene-d8 (Surr)	*95*		*75 - 122*		*04/03/14 16:12*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74346-1

Client Sample ID: RE4-4(0-2)-040214
Date Collected: 04/02/14 08:20
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-1
Matrix: Solid
Percent Solids: 86.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
2-Methylnaphthalene	**58**		37	6.8	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
2-Methylphenol	<190		190	60	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Acenaphthene	**14**	**J**	37	6.7	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Anthracene	**22**	**J**	37	6.2	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Benzo[a]anthracene	**89**		37	5.0	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Benzo[a]pyrene	**89**		37	7.2	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Benzo[b]fluoranthene	**120**		37	8.0	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Benzo[g,h,i]perylene	**86**		37	12	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Benzo[k]fluoranthene	**56**		37	11	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Carbazole	<190		190	96	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Chrysene	**110**		37	10	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Dibenzofuran	<190		190	43	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Fluoranthene	**170**		37	6.9	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Fluorene	**13**	**J**	37	5.2	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Hexachloroethane	<190		190	56	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74346-1

Client Sample ID: RE4-4(0-2)-040214
Date Collected: 04/02/14 08:20
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-1
Matrix: Solid
Percent Solids: 86.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	52		37	9.6	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Isophorone	<190		190	42	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Naphthalene	14	J	37	5.7	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
N-Nitrosodi-n-propylamine	<190		190	45	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Phenanthrene	130		37	5.2	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Phenol	<190		190	83	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1
Pyrene	190		37	7.4	ug/Kg	☼	04/04/14 17:52	04/07/14 13:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*55*		*35 - 137*	*04/04/14 17:52*	*04/07/14 13:39*	*1*
2-Fluorobiphenyl	*48*		*25 - 119*	*04/04/14 17:52*	*04/07/14 13:39*	*1*
2-Fluorophenol	*41*		*25 - 110*	*04/04/14 17:52*	*04/07/14 13:39*	*1*
Nitrobenzene-d5	*36*		*25 - 115*	*04/04/14 17:52*	*04/07/14 13:39*	*1*
Phenol-d5	*45*		*31 - 110*	*04/04/14 17:52*	*04/07/14 13:39*	*1*
Terphenyl-d14	*74*		*36 - 134*	*04/04/14 17:52*	*04/07/14 13:39*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/08/14 08:30	04/09/14 02:59	1
Barium	0.31	J	0.50	0.050	mg/L		04/08/14 08:30	04/09/14 02:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/14 08:30	04/09/14 02:59	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		04/08/14 08:30	04/09/14 02:59	1
Chromium	<0.025		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 02:59	1
Cobalt	0.021	J	0.025	0.010	mg/L		04/08/14 08:30	04/09/14 02:59	1
Copper	0.051		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 02:59	1
Iron	<0.20		0.20	0.20	mg/L		04/08/14 08:30	04/09/14 02:59	1
Lead	0.0091		0.0075	0.0075	mg/L		04/11/14 08:30	04/11/14 22:30	1
Manganese	2.0		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 02:59	1
Nickel	0.026		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 02:59	1
Selenium	<0.050		0.050	0.010	mg/L		04/08/14 08:30	04/09/14 02:59	1
Silver	<0.025		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 02:59	1
Zinc	0.27		0.10	0.020	mg/L		04/08/14 08:30	04/09/14 02:59	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/08/14 09:00	04/08/14 19:39	1
Barium	0.17	J	0.50	0.050	mg/L		04/08/14 09:00	04/08/14 19:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/14 09:00	04/08/14 19:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/14 09:00	04/08/14 19:39	1
Chromium	<0.025		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 19:39	1
Cobalt	<0.025		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 19:39	1
Copper	0.033		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 19:39	1
Iron	0.45		0.20	0.20	mg/L		04/08/14 09:00	04/08/14 19:39	1
Lead	0.0082		0.0075	0.0075	mg/L		04/08/14 09:00	04/08/14 19:39	1
Manganese	0.012	J	0.025	0.010	mg/L		04/08/14 09:00	04/08/14 19:39	1
Nickel	<0.025		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 19:39	1
Selenium	<0.050		0.050	0.010	mg/L		04/08/14 09:00	04/09/14 20:24	1

Client Sample ID: RE4-4(0-2)-040214
Date Collected: 04/02/14 08:20
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-1
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 19:39	1
Zinc	**0.14**		0.10	0.020	mg/L		04/08/14 09:00	04/08/14 19:39	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.78**	**J**	1.1	0.44	mg/Kg	☼	04/04/14 09:00	04/05/14 00:11	1
Arsenic	**6.4**		0.55	0.11	mg/Kg	☼	04/04/14 09:00	04/05/14 00:11	1
Barium	**49**		0.55	0.059	mg/Kg	☼	04/04/14 09:00	04/05/14 00:11	1
Beryllium	**0.51**		0.22	0.044	mg/Kg	☼	04/04/14 09:00	04/05/14 00:11	1
Cadmium	**0.95**		0.11	0.014	mg/Kg	☼	04/04/14 09:00	04/05/14 00:11	1
Calcium	**68000**	**B**	110	30	mg/Kg	☼	04/04/14 09:00	04/10/14 00:21	10
Chromium	**15**		0.55	0.064	mg/Kg	☼	04/04/14 09:00	04/05/14 00:11	1
Cobalt	**6.6**		0.28	0.055	mg/Kg	☼	04/04/14 09:00	04/05/14 00:11	1
Copper	**27**		0.55	0.11	mg/Kg	☼	04/04/14 09:00	04/05/14 00:11	1
Iron	**15000**		11	4.5	mg/Kg	☼	04/04/14 09:00	04/05/14 00:11	1
Lead	**51**	**B**	0.28	0.082	mg/Kg	☼	04/04/14 09:00	04/05/14 00:11	1
Magnesium	**35000**	**B**	5.5	1.1	mg/Kg	☼	04/04/14 09:00	04/05/14 00:11	1
Manganese	**240**		0.55	0.11	mg/Kg	☼	04/04/14 09:00	04/05/14 00:11	1
Nickel	**20**		0.55	0.11	mg/Kg	☼	04/04/14 09:00	04/05/14 00:11	1
Potassium	**2300**		28	1.7	mg/Kg	☼	04/04/14 09:00	04/05/14 00:11	1
Selenium	<0.55		0.55	0.20	mg/Kg	☼	04/04/14 09:00	04/05/14 00:11	1
Silver	**0.068**	**J**	0.28	0.020	mg/Kg	☼	04/04/14 09:00	04/05/14 00:11	1
Sodium	**1100**		55	7.4	mg/Kg	☼	04/04/14 09:00	04/05/14 00:11	1
Thallium	**0.26**	**J**	0.55	0.23	mg/Kg	☼	04/04/14 09:00	04/05/14 00:11	1
Vanadium	**17**		0.28	0.041	mg/Kg	☼	04/04/14 09:00	04/05/14 00:11	1
Zinc	**100**		1.1	0.22	mg/Kg	☼	04/04/14 09:00	04/05/14 00:11	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/08/14 12:50	04/09/14 11:58	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/08/14 12:50	04/09/14 13:27	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**36**		19	7.3	ug/Kg	☼	04/04/14 13:35	04/07/14 10:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.04**		0.200	0.200	SU			04/07/14 13:20	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74346-1

Client Sample ID: RE4-4(0-2)-040214D
Date Collected: 04/02/14 08:20
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-2
Matrix: Solid
Percent Solids: 86.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		04/04/14 13:25	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		04/04/14 13:25	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/04/14 13:25	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		04/04/14 13:25	1
Bromomethane	<5.8		5.8	1.8	ug/Kg	☼		04/04/14 13:25	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		04/04/14 13:25	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		04/04/14 13:25	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		04/04/14 13:25	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		04/04/14 13:25	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		04/04/14 13:25	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		04/04/14 13:25	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		04/04/14 13:25	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		04/04/14 13:25	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/04/14 13:25	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		04/04/14 13:25	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		04/04/14 13:25	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		04/04/14 13:25	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		04/04/14 13:25	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		04/04/14 13:25	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		04/04/14 13:25	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		04/04/14 13:25	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		04/04/14 13:25	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		04/04/14 13:25	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		04/04/14 13:25	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		04/04/14 13:25	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		04/04/14 13:25	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		04/04/14 13:25	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		04/04/14 13:25	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		04/04/14 13:25	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		04/04/14 13:25	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		04/04/14 13:25	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		04/04/14 13:25	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		04/04/14 13:25	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		04/04/14 13:25	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		04/04/14 13:25	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/04/14 13:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 122*		*04/04/14 13:25*	*1*
Dibromofluoromethane	*114*		*75 - 120*		*04/04/14 13:25*	*1*
1,2-Dichloroethane-d4 (Surr)	*99*		*70 - 134*		*04/04/14 13:25*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*04/04/14 13:25*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74346-1

Client Sample ID: RE4-4(0-2)-040214D
Date Collected: 04/02/14 08:20
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-2
Matrix: Solid
Percent Solids: 86.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
2-Methylnaphthalene	**62**		37	6.8	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
2-Methylphenol	<190		190	60	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Acenaphthene	**9.8**	**J**	37	6.7	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Acenaphthylene	**9.8**	**J**	37	4.9	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Anthracene	**28**	**J**	37	6.2	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Benzo[a]anthracene	**140**		37	5.0	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Benzo[a]pyrene	**120**		37	7.2	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Benzo[b]fluoranthene	**160**		37	8.0	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Benzo[g,h,i]perylene	**95**		37	12	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Benzo[k]fluoranthene	**90**		37	11	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Carbazole	<190		190	96	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Chrysene	**160**		37	10	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Dibenz(a,h)anthracene	**29**	**J**	37	7.2	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Dibenzofuran	<190		190	43	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Fluoranthene	**220**		37	6.9	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Fluorene	**14**	**J**	37	5.2	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Hexachloroethane	<190		190	56	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1

Client Sample ID: RE4-4(0-2)-040214D
Date Collected: 04/02/14 08:20
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-2
Matrix: Solid
Percent Solids: 86.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	79		37	9.6	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Isophorone	<190		190	42	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Naphthalene	16	J	37	5.7	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
N-Nitrosodi-n-propylamine	<190		190	45	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Phenanthrene	150		37	5.2	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Phenol	<190		190	83	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1
Pyrene	310		37	7.4	ug/Kg	☼	04/04/14 17:52	04/07/14 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*71*		*35 - 137*	*04/04/14 17:52*	*04/07/14 14:01*	*1*
2-Fluorobiphenyl	*60*		*25 - 119*	*04/04/14 17:52*	*04/07/14 14:01*	*1*
2-Fluorophenol	*46*		*25 - 110*	*04/04/14 17:52*	*04/07/14 14:01*	*1*
Nitrobenzene-d5	*44*		*25 - 115*	*04/04/14 17:52*	*04/07/14 14:01*	*1*
Phenol-d5	*51*		*31 - 110*	*04/04/14 17:52*	*04/07/14 14:01*	*1*
Terphenyl-d14	*103*		*36 - 134*	*04/04/14 17:52*	*04/07/14 14:01*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/08/14 08:30	04/09/14 03:25	1
Barium	0.42	J	0.50	0.050	mg/L		04/08/14 08:30	04/09/14 03:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/14 08:30	04/09/14 03:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/14 08:30	04/09/14 03:25	1
Chromium	<0.025		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 03:25	1
Cobalt	0.012	J	0.025	0.010	mg/L		04/08/14 08:30	04/09/14 03:25	1
Copper	<0.025		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 03:25	1
Iron	<0.20		0.20	0.20	mg/L		04/08/14 08:30	04/09/14 03:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/11/14 08:30	04/11/14 23:10	1
Manganese	1.3		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 03:25	1
Nickel	0.020	J	0.025	0.010	mg/L		04/08/14 08:30	04/09/14 03:25	1
Selenium	<0.050		0.050	0.010	mg/L		04/08/14 08:30	04/09/14 03:25	1
Silver	<0.025		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 03:25	1
Zinc	0.19		0.10	0.020	mg/L		04/08/14 08:30	04/09/14 03:25	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/08/14 09:00	04/08/14 19:55	1
Barium	0.15	J	0.50	0.050	mg/L		04/08/14 09:00	04/08/14 19:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/14 09:00	04/08/14 19:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/14 09:00	04/08/14 19:55	1
Chromium	<0.025		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 19:55	1
Cobalt	<0.025		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 19:55	1
Copper	<0.025		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 19:55	1
Iron	0.57		0.20	0.20	mg/L		04/08/14 09:00	04/08/14 19:55	1
Lead	0.0093		0.0075	0.0075	mg/L		04/08/14 09:00	04/08/14 19:55	1
Manganese	0.026		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 19:55	1
Nickel	<0.025		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 19:55	1
Selenium	<0.050		0.050	0.010	mg/L		04/08/14 09:00	04/09/14 20:40	1

Client Sample ID: RE4-4(0-2)-040214D
Date Collected: 04/02/14 08:20
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-2
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 19:55	1
Zinc	**0.11**		0.10	0.020	mg/L		04/08/14 09:00	04/08/14 19:55	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.46**	**J**	1.1	0.44	mg/Kg	☼	04/04/14 09:00	04/05/14 00:42	1
Arsenic	**7.6**		0.55	0.11	mg/Kg	☼	04/04/14 09:00	04/05/14 00:42	1
Barium	**45**		0.55	0.058	mg/Kg	☼	04/04/14 09:00	04/05/14 00:42	1
Beryllium	**0.52**		0.22	0.044	mg/Kg	☼	04/04/14 09:00	04/05/14 00:42	1
Cadmium	**0.81**		0.11	0.014	mg/Kg	☼	04/04/14 09:00	04/05/14 00:42	1
Calcium	**47000**	**B**	11	3.0	mg/Kg	☼	04/04/14 09:00	04/05/14 00:42	1
Chromium	**15**		0.55	0.063	mg/Kg	☼	04/04/14 09:00	04/05/14 00:42	1
Cobalt	**7.4**		0.27	0.055	mg/Kg	☼	04/04/14 09:00	04/05/14 00:42	1
Copper	**27**		0.55	0.11	mg/Kg	☼	04/04/14 09:00	04/05/14 00:42	1
Iron	**17000**		11	4.5	mg/Kg	☼	04/04/14 09:00	04/05/14 00:42	1
Lead	**31**	**B**	0.27	0.081	mg/Kg	☼	04/04/14 09:00	04/05/14 00:42	1
Magnesium	**27000**	**B**	5.5	1.1	mg/Kg	☼	04/04/14 09:00	04/05/14 00:42	1
Manganese	**260**		0.55	0.11	mg/Kg	☼	04/04/14 09:00	04/05/14 00:42	1
Nickel	**22**		0.55	0.11	mg/Kg	☼	04/04/14 09:00	04/05/14 00:42	1
Potassium	**2500**		27	1.6	mg/Kg	☼	04/04/14 09:00	04/05/14 00:42	1
Selenium	<0.55		0.55	0.19	mg/Kg	☼	04/04/14 09:00	04/05/14 00:42	1
Silver	**0.044**	**J**	0.27	0.020	mg/Kg	☼	04/04/14 09:00	04/05/14 00:42	1
Sodium	**1100**		55	7.3	mg/Kg	☼	04/04/14 09:00	04/05/14 00:42	1
Thallium	**0.31**	**J**	0.55	0.23	mg/Kg	☼	04/04/14 09:00	04/05/14 00:42	1
Vanadium	**19**		0.27	0.040	mg/Kg	☼	04/04/14 09:00	04/05/14 00:42	1
Zinc	**100**		1.1	0.22	mg/Kg	☼	04/04/14 09:00	04/05/14 00:42	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.041**	**J B**	0.20	0.020	ug/L		04/08/14 12:50	04/09/14 12:01	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.024**	**J B**	0.20	0.020	ug/L		04/08/14 12:50	04/09/14 13:30	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**30**		19	7.4	ug/Kg	☼	04/04/14 13:35	04/07/14 11:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.96**		0.200	0.200	SU			04/07/14 13:22	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74346-1

Client Sample ID: RE4-6(0-2)-040214
Date Collected: 04/02/14 08:45
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-4
Matrix: Solid
Percent Solids: 87.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.7		5.7	2.5	ug/Kg	☼		04/03/14 17:21	1
Benzene	<5.7		5.7	0.78	ug/Kg	☼		04/03/14 17:21	1
Bromodichloromethane	<5.7		5.7	0.99	ug/Kg	☼		04/03/14 17:21	1
Bromoform	<5.7		5.7	1.3	ug/Kg	☼		04/03/14 17:21	1
Bromomethane	<5.7		5.7	1.7	ug/Kg	☼		04/03/14 17:21	1
Carbon disulfide	<5.7		5.7	0.85	ug/Kg	☼		04/03/14 17:21	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	☼		04/03/14 17:21	1
Chlorobenzene	<5.7		5.7	0.58	ug/Kg	☼		04/03/14 17:21	1
Chloroethane	<5.7		5.7	1.6	ug/Kg	☼		04/03/14 17:21	1
Chloroform	<5.7		5.7	0.66	ug/Kg	☼		04/03/14 17:21	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	☼		04/03/14 17:21	1
cis-1,2-Dichloroethene	<5.7		5.7	0.81	ug/Kg	☼		04/03/14 17:21	1
cis-1,3-Dichloropropene	<5.7		5.7	0.75	ug/Kg	☼		04/03/14 17:21	1
Dibromochloromethane	<5.7		5.7	1.0	ug/Kg	☼		04/03/14 17:21	1
1,1-Dichloroethane	<5.7		5.7	0.91	ug/Kg	☼		04/03/14 17:21	1
1,2-Dichloroethane	<5.7		5.7	0.85	ug/Kg	☼		04/03/14 17:21	1
1,1-Dichloroethene	<5.7		5.7	0.92	ug/Kg	☼		04/03/14 17:21	1
1,2-Dichloropropane	<5.7		5.7	0.87	ug/Kg	☼		04/03/14 17:21	1
1,3-Dichloropropene, Total	<5.7		5.7	0.75	ug/Kg	☼		04/03/14 17:21	1
Ethylbenzene	<5.7		5.7	1.2	ug/Kg	☼		04/03/14 17:21	1
2-Hexanone	<5.7		5.7	1.6	ug/Kg	☼		04/03/14 17:21	1
Methylene Chloride	<5.7		5.7	1.5	ug/Kg	☼		04/03/14 17:21	1
Methyl Ethyl Ketone	<5.7		5.7	2.1	ug/Kg	☼		04/03/14 17:21	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	☼		04/03/14 17:21	1
Methyl tert-butyl ether	<5.7		5.7	0.95	ug/Kg	☼		04/03/14 17:21	1
Styrene	<5.7		5.7	0.75	ug/Kg	☼		04/03/14 17:21	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	1.2	ug/Kg	☼		04/03/14 17:21	1
Tetrachloroethene	<5.7		5.7	0.87	ug/Kg	☼		04/03/14 17:21	1
Toluene	<5.7		5.7	0.80	ug/Kg	☼		04/03/14 17:21	1
trans-1,2-Dichloroethene	<5.7		5.7	0.79	ug/Kg	☼		04/03/14 17:21	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	☼		04/03/14 17:21	1
1,1,1-Trichloroethane	<5.7		5.7	0.85	ug/Kg	☼		04/03/14 17:21	1
1,1,2-Trichloroethane	<5.7		5.7	0.78	ug/Kg	☼		04/03/14 17:21	1
Trichloroethene	<5.7		5.7	0.94	ug/Kg	☼		04/03/14 17:21	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	☼		04/03/14 17:21	1
Xylenes, Total	<11		11	0.52	ug/Kg	☼		04/03/14 17:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 122*		*04/03/14 17:21*	*1*
Dibromofluoromethane	*116*		*75 - 120*		*04/03/14 17:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 134*		*04/03/14 17:21*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*04/03/14 17:21*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74346-1

Client Sample ID: RE4-6(0-2)-040214
Date Collected: 04/02/14 08:45
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-4
Matrix: Solid
Percent Solids: 87.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
2-Methylphenol	<180		180	58	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
4-Nitrophenol	<730		730	350	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Acenaphthene	**13**	**J**	36	6.5	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Acenaphthylene	**26**	**J**	36	4.8	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Anthracene	**56**		36	6.1	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Benzo[a]anthracene	**250**		36	4.9	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Benzo[a]pyrene	**260**		36	7.0	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Benzo[b]fluoranthene	**280**		36	7.8	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Benzo[g,h,i]perylene	**64**		36	12	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Benzo[k]fluoranthene	**220**		36	11	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Carbazole	<180		180	94	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Chrysene	**310**		36	9.9	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Dibenz(a,h)anthracene	**30**	**J**	36	7.0	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Dibenzofuran	<180		180	43	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Fluoranthene	**500**		36	6.7	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Fluorene	**19**	**J**	36	5.1	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Hexachloroethane	<180		180	55	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74346-1

Client Sample ID: RE4-6(0-2)-040214
Date Collected: 04/02/14 08:45
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-4
Matrix: Solid
Percent Solids: 87.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	180		36	9.4	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Isophorone	<180		180	41	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Naphthalene	<36		36	5.6	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Phenanthrene	260		36	5.1	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Phenol	<180		180	81	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1
Pyrene	460		36	7.2	ug/Kg	☼	04/04/14 17:52	04/07/14 20:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*71*		*35 - 137*	*04/04/14 17:52*	*04/07/14 20:24*	*1*
2-Fluorobiphenyl	*55*		*25 - 119*	*04/04/14 17:52*	*04/07/14 20:24*	*1*
2-Fluorophenol	*41*		*25 - 110*	*04/04/14 17:52*	*04/07/14 20:24*	*1*
Nitrobenzene-d5	*37*		*25 - 115*	*04/04/14 17:52*	*04/07/14 20:24*	*1*
Phenol-d5	*51*		*31 - 110*	*04/04/14 17:52*	*04/07/14 20:24*	*1*
Terphenyl-d14	*79*		*36 - 134*	*04/04/14 17:52*	*04/07/14 20:24*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/08/14 08:30	04/09/14 03:38	1
Barium	0.63		0.50	0.050	mg/L		04/08/14 08:30	04/09/14 03:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/14 08:30	04/09/14 03:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/14 08:30	04/09/14 03:38	1
Chromium	<0.025		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 03:38	1
Cobalt	<0.025		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 03:38	1
Copper	0.014	J	0.025	0.010	mg/L		04/08/14 08:30	04/09/14 03:38	1
Iron	<0.20		0.20	0.20	mg/L		04/08/14 08:30	04/09/14 03:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/11/14 08:30	04/11/14 23:23	1
Manganese	0.61		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 03:38	1
Nickel	<0.025		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 03:38	1
Selenium	<0.050		0.050	0.010	mg/L		04/08/14 08:30	04/09/14 03:38	1
Silver	<0.025		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 03:38	1
Zinc	0.25		0.10	0.020	mg/L		04/08/14 08:30	04/09/14 03:38	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.029	J	0.050	0.010	mg/L		04/08/14 09:00	04/08/14 20:03	1
Barium	0.91		0.50	0.050	mg/L		04/08/14 09:00	04/08/14 20:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/14 09:00	04/08/14 20:03	1
Cadmium	0.0020	J	0.0050	0.0020	mg/L		04/08/14 09:00	04/08/14 20:03	1
Chromium	0.084		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:03	1
Cobalt	0.029		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:03	1
Copper	0.14		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:03	1
Iron	79		0.20	0.20	mg/L		04/08/14 09:00	04/08/14 20:03	1
Lead	0.13		0.0075	0.0075	mg/L		04/08/14 09:00	04/08/14 20:03	1
Manganese	0.49		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:03	1
Nickel	0.090		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:03	1
Selenium	<0.050		0.050	0.010	mg/L		04/08/14 09:00	04/09/14 20:48	1

Client Sample ID: RE4-6(0-2)-040214
Date Collected: 04/02/14 08:45
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-4
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:03	1
Zinc	**0.71**		0.10	0.020	mg/L		04/08/14 09:00	04/08/14 20:03	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.44	mg/Kg	☼	04/04/14 09:00	04/05/14 00:55	1
Arsenic	**5.9**		0.55	0.11	mg/Kg	☼	04/04/14 09:00	04/05/14 00:55	1
Barium	**49**		0.55	0.059	mg/Kg	☼	04/04/14 09:00	04/05/14 00:55	1
Beryllium	**0.44**		0.22	0.044	mg/Kg	☼	04/04/14 09:00	04/05/14 00:55	1
Cadmium	**0.66**		0.11	0.014	mg/Kg	☼	04/04/14 09:00	04/05/14 00:55	1
Calcium	**68000**	**B**	110	30	mg/Kg	☼	04/04/14 09:00	04/10/14 00:58	10
Chromium	**17**		0.55	0.064	mg/Kg	☼	04/04/14 09:00	04/05/14 00:55	1
Cobalt	**7.6**		0.28	0.055	mg/Kg	☼	04/04/14 09:00	04/05/14 00:55	1
Copper	**32**		0.55	0.11	mg/Kg	☼	04/04/14 09:00	04/05/14 00:55	1
Iron	**15000**		11	4.5	mg/Kg	☼	04/04/14 09:00	04/05/14 00:55	1
Lead	**36**	**B**	0.28	0.082	mg/Kg	☼	04/04/14 09:00	04/05/14 00:55	1
Magnesium	**32000**	**B**	5.5	1.1	mg/Kg	☼	04/04/14 09:00	04/05/14 00:55	1
Manganese	**350**		0.55	0.11	mg/Kg	☼	04/04/14 09:00	04/05/14 00:55	1
Nickel	**21**		0.55	0.11	mg/Kg	☼	04/04/14 09:00	04/05/14 00:55	1
Potassium	**2200**		28	1.7	mg/Kg	☼	04/04/14 09:00	04/05/14 00:55	1
Selenium	<0.55		0.55	0.20	mg/Kg	☼	04/04/14 09:00	04/05/14 00:55	1
Silver	**0.036**	**J**	0.28	0.020	mg/Kg	☼	04/04/14 09:00	04/05/14 00:55	1
Sodium	**2700**		550	74	mg/Kg	☼	04/04/14 09:00	04/10/14 00:58	10
Thallium	<0.55		0.55	0.23	mg/Kg	☼	04/04/14 09:00	04/05/14 00:55	1
Vanadium	**19**		0.28	0.041	mg/Kg	☼	04/04/14 09:00	04/05/14 00:55	1
Zinc	**89**		1.1	0.22	mg/Kg	☼	04/04/14 09:00	04/05/14 00:55	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.021**	**J B**	0.20	0.020	ug/L		04/08/14 12:50	04/09/14 12:16	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.27**	**B**	0.20	0.020	ug/L		04/08/14 12:50	04/09/14 13:41	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**33**		18	7.0	ug/Kg	☼	04/04/14 13:35	04/07/14 11:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.43**		0.200	0.200	SU			04/07/14 13:27	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74346-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENT

2417 Bond Street, University Park, IL
Phone: 708.534.5200 Fax: 708.5

500-74346 COC

(optional)
Report To
Contact: S. Babusukumar
Company: Weston
Address: 750 E. Bunker Ct, Suite500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax:
E-Mail:

(optional)
Bill To
Contact:
Company:
Address: SAME
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74346
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 3.8

Client: Weston
Client Project #:
Project Name: IDOT- 050[redacted]
Project Location/State: McCook IL
Lab Project #:
Sampler: Dan Cukierski
Lab PM:

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SAP Metals	pH	Total Aluminum				Comments
1		RE4-4(0-2)-040214	4/2/14	0820	2	S		X	X	X	X	X					
2		RE4-4(0-2)-040214D	4/2/14	0820	2	S		X	X	X	X	X					
3		RE4-5(0-2)-040214	4/2/14	0830	2	S		X	X	X	X	X					RE4-5(0-2)-040214
4		RE4-6(0-2)-040214	4/2/14	0845	2	S		X	X	X	X	X					
5		171-5(0-4.3)-040214	4/2/14	0915	2	S		X	X	X	X	X					
6		IP-12(0-4)-040214	4/2/14	0950	2	S		X	X	X	X	X	X				
7		IC-2(0-4)-040214	4/2/14	1035	2	S		X	X	X	X	X					
8		IC-2(4-8)-040214	4/2/14	1040	2	S		X	X	X	X	X					
9		IC-6(0-6)-040214	4/2/14	1220	2	S		X	X	X	X	X					
10		IC-6(6-12)-040214	4/2/14	1230	2	S		X	X	X	X	X					

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston	4/2/14	1530	[signature]	TA	4/2/14	1530
[signature]	TA	4/2/14	1625	[signature]	TA-CHI	4/3/14	0630
							0730

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TAL-4124-500 (1209)

4/14/2014

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)
Report To
Contact: S. Babusukumar
Company: Weston
Address: 750 E. Bunker Ct Suite 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax:
E-Mail:

(optional)
Bill To
Contact:
Company:
Address:
Address: SAME
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74346
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler: 3.8

Client: Weston
Client Project #:
Project Name: IDOT-050
Project Location/State: McCook, IL
Lab Project #:
Sampler: Don Cukierski
Lab PM:

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
11		IC-6 (6-12)-040214D	4/2/14	1230	2	S	X	X	X	X	X					
12		IC-1 (0-6)-040214	4/2/14	1240	2	S	X	X	X	X	X					
13		IC-1 (6-12)-040214	4/2/14	1245	2	S	X	X	X	X	X					

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ____ Months (A fee may be assessed if samples are retained longer than 1 month)

	Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1		Weston	4/2/14	1530		TA	4/3/14	1530
2		TA	4/2/14	1625		TA-CHI	4/3/14	0730
3								

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

Illinois Environmental Protection Agency

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAP 372: IL 171 (1st Ave) from 47th St to 55th St Office Phone Number, if available: _____

Physical Site Location (address, inclduding number and street):

4800 1st Avenue

City: McCook State: IL Zip Code: _____

County: Cook Township: _____

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.801426075 (Decimal Degrees) Longitude: -87.833677314 (-Decimal Degrees)

Identify how the lat/long data were determined:

☒ GPS ☐ Map Interpolation ☐ Photo Interpolation ☐ Survey ☐ Other

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner		Site Operator	
Name:	Illinois Department of Transportation	Name:	Illinois Department of Transportation
Street Address:	201 West Center Court	Street Address:	201 West Center Court
PO Box:		PO Box:	
City:	Schaumburg	City:	Schaumburg
State:	IL	State:	IL
Zip Code:	60196-1096	Zip Code:	60196-1096
Phone:	847-705-4101	Phone:	847-705-4101
Contact:	Sam Mead	Contact:	Sam Mead
Email, if available:	Sam.Mead@illinois.gov	Email, if available:	Sam.Mead@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAP 372: IL 171 (1st Ave) from 47th St to 55th St

Latitude: 41.801426075 Longitude: -87.833677314

Uncontaminated Site Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

LOCATIONS IP-1 THROUGH IP-5, IP-7 THROUGH IP-13, IP-15, AND IP-17 THROUGH IP-23 WERE SAMPLED ADJACENT TO ISGS SITE No. 1860-11. SEE FIGURES 3-6, 3-7, AND 3-8 AND TABLE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201(g), 1100.205(a), 1100.610]:

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-74180-1, 500-74181-1, 500-74263-1, 500-74264-1, AND 500-74346-1

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Steven Gobelman, P.E., L.P.G (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman, P.E., L.P.G
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

6/12/14
Date:

STEVEN GOBELMAN
196-000598
LICENSED
PROFESSIONAL
GEOLOGIST
STATE OF ILLINOIS

P.E. or L.P.G. Seal:

Summary Table of ISGS Site No. 1860-11
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	IP-1(0-2)-040114	IP-2(0-4)-040114	IP-3(0-4)-040114	IP-3(0-4)-040114D	IP-4(0-2)-040114	Soil Reference Concentrations[A]
Sample Date	4/1/2014	4/1/2014	4/1/2014	4/1/2014	4/1/2014	
Location ID	IP-1	IP-2	IP-3	IP-3	IP-4	
ISGS Site No.	1860-11	1860-11	1860-11	1860-11	1860-11	
Depth	0 - 2	0 - 4	0 - 4	0 - 4	0 - 2	
Lab Sample ID	500-74263-5	500-74263-6	500-74263-8	500-74263-9	500-74263-10	
Parameter						
Laboratory pH (s.u.)	8.12	7.99	8.45	8.89	8.25	<6.25,>9.0
VOCs (ug/kg)						
Acetone	13	63	ND	ND	ND	25000
Methyl ethyl ketone	ND	14	ND	ND	ND	17000
SVOCs (ug/kg)						
2-Methylnaphthalene	ND	42	15 J	9.4 J	ND	---
Acenaphthene	ND	ND	14 J	ND	ND	570000
Acenaphthylene	ND	ND	9.1 J	ND	17 J	85000
Anthracene	ND	ND	36 J	24 J	18 J	1.20E+07
Benzo(a)anthracene	ND	16 J	210 J	110 J	98	900 / 1100 / 1800
Benzo(a)pyrene	ND	13 J	250 J	100 J	120	90 / 1300 / 2100
Benzo(b)fluoranthene	ND	25 J	370 J	180 J	190	900 / 1500 / 2100
Benzo(g,h,i)perylene	ND	ND	270 J	100 J	120	2300000
Benzo(k)fluoranthene	ND	ND	200 J	53 J	90	9000
Butyl benzyl phthalate	ND	ND	520	350	ND	930000
Chrysene	10 J	26 J	320 J	140 J	120	88000
Dibenzo(a,h)anthracene	ND	ND	65	24 J	32 J	90 / 200 / 420
Dibenzofuran	ND	ND	ND	ND	ND	---
Fluoranthene	10 J	30 J	400 J	170 J	120	3100000
Fluorene	ND	11 J	11 J	10 J	ND	560000
Indeno(1,2,3-cd)pyrene	ND	ND	210 J	82 J	98	900 / 900 / 1600
Naphthalene, SVOC	ND	9.2 J	8 J	ND	ND	1800
Phenanthrene	21 J	65	210 J	98 J	61	210000
Pyrene	13 J	48	570 J	270 J	200	2300000
Total Metals (mg/kg)						
Aluminum, Total	11000	13000	12000	9000	13000	---
Antimony, Total	0.52 J	ND	0.6 J	0.6 J	ND	5
Arsenic, Total	10	5.8	9.2	9	7.5	11.3 / 13
Barium, Total	40	54	46	42	55	1500
Beryllium, Total	0.55	0.63	0.58	0.44	0.65	22
Cadmium, Total	0.91	0.82	1.2	0.83	0.88	5.2
Calcium, Total	41000 J+	55000 J+	74000 J+	100000 J+	52000 J+	---
Chromium, Total	15 J+	19 J+	19 J+	12 J+	20 J+	21
Cobalt, Total	9.7	11	12 J	5.9 J	10	20
Copper, Total	40 J-	26 J-	27 J-	26 J-	27 J-	2900
Iron, Total	21000 J+	19000 J+	23000 J+	15000 J+	20000 J+	15000 / 15900
Lead, Total	15 J	11 J	25 J	32 J	21 J	107
Magnesium, Total	26000 J+	26000 J+	30000 J+	51000 J+	25000 J+	325000
Manganese, Total	380 J	370 J	460 J	200 J	340 J	630 / 636
Mercury, Total	0.036 J	0.026 J	0.043 J	0.036 J	0.031 J	0.89
Nickel, Total	28 J	28 J	26 J	16 J	26 J	100
Potassium, Total	2900 J+	4200 J+	3700 J+	2800 J+	4000 J+	---
Selenium, Total	ND	ND	ND	ND	ND	1.3
Silver, Total	0.043 J	0.03 J	0.068 J	0.028 J	0.029 J	4.4
Sodium, Total	1500 J+	1100 J+	1500 J+	1800 J+	1700 J+	---
Thallium, Total	0.92	0.56 J	0.43 J	0.31 J	0.31 J	2.6
Vanadium, Total	20	23	22	18	25	550
Zinc, Total	48	39	59	51	49	5100
TCLP Metals (mg/l)						
Barium, TCLP	0.51	0.73	0.59 B	0.53	0.54	2
Cadmium, TCLP	ND	ND	0.0041 J	ND	ND	0.005
Cobalt, TCLP	0.02 J	ND	0.056	ND	ND	1
Copper, TCLP	0.027	0.044	0.032 J	0.027 J	0.026	0.65
Iron, TCLP	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	0.021	ND	ND	0.0075
Manganese, TCLP	5.5	3.6	4.3 J	0.39 J	0.71	0.15
Nickel, TCLP	0.017 J	0.016 J	0.056 J	ND	0.013 J	0.1
Zinc, TCLP	ND	ND	ND	ND	ND	5

Summary Table of ISGS Site No. 1860-11
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	IP-1(0-2)-040114	IP-2(0-4)-040114	IP-3(0-4)-040114	IP-3(0-4)-040114D	IP-4(0-2)-040114	**Soil Reference Concentrations[A]**
Sample Date	4/1/2014	4/1/2014	4/1/2014	4/1/2014	4/1/2014	
Location ID	IP-1	IP-2	IP-3	IP-3	IP-4	
ISGS Site No.	1860-11	1860-11	1860-11	1860-11	1860-11	
Depth	0 - 2	0 - 4	0 - 4	0 - 4	0 - 2	
Lab Sample ID	500-74263-5	500-74263-6	500-74263-8	500-74263-9	500-74263-10	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	ND	ND	ND	ND	0.05
Barium, SPLP	0.5	0.36 J	0.33 J	0.49 J	0.48 J	2
Beryllium, SPLP	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.02 J	0.01 J	ND	ND	ND	0.1
Cobalt, SPLP	0.022 J	0.012 J	ND	ND	ND	1
Copper, SPLP	0.092	0.049	0.038	0.038	0.033	0.65
Iron, SPLP	14 J	6.6 J	1.6 J	1.5 J	0.99 J	5
Lead, SPLP	0.052	0.034	0.053	0.066	0.079	0.0075
Manganese, SPLP	1.1	0.91	0.2	0.22	0.17	0.15
Mercury, SPLP	0.00031	9.30E-05 J	0.0001 J	0.00024	0.00021	0.002
Nickel, SPLP	0.035	0.015 J	0.01 J	0.012 J	ND	0.1
Zinc, SPLP	0.37	0.32	0.31	0.26	0.27	5

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

Shaded values indicate concentration **exceeds** Reference Concentration.

Summary Table of ISGS Site No. 1860-11
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	IP-5(0-2)-040114	IP-7(0-2)-040114	IP-7(0-2)-040114D	IP-8(0-2)-040114	IP-9(0-2)-040114	Soil Reference Concentrations[A]
Sample Date	4/1/2014	4/1/2014	4/1/2014	4/1/2014	4/1/2014	
Location ID	IP-5	IP-7	IP-7	IP-8	IP-9	
ISGS Site No.	1860-11	1860-11	1860-11	1860-11	1860-11	
Depth	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	
Lab Sample ID	500-74263-7	500-74264-10	500-74264-11	500-74263-11	500-74264-12	
Parameter						
Laboratory pH (s.u.)	7.97	8.13	8.09	8.06	8.18	<6.25,>9.0
VOCs (ug/kg)						
Acetone	ND	13	7.5	14	ND	25000
Methyl ethyl ketone	ND	ND	ND	ND	ND	17000
SVOCs (ug/kg)						
2-Methylnaphthalene	8.9 J	56	59	19 J	17 J	---
Acenaphthene	11 J	66	55	31 J	10 J	570000
Acenaphthylene	23 J	15 J	38	11 J	7.9 J	85000
Anthracene	49	160	140	62	17 J	1.20E+07
Benzo(a)anthracene	170	280	300	100	24 J	900 / 1100 / 1800
Benzo(a)pyrene	160	220	260	89	30 J	90 / 1300 / 2100
Benzo(b)fluoranthene	220	270	380	130	39	900 / 1500 / 2100
Benzo(g,h,i)perylene	150	140	160	70	ND	2300000
Benzo(k)fluoranthene	96	160	170	34 J	ND	9000
Butyl benzyl phthalate	ND	ND	ND	ND	ND	930000
Chrysene	220	280	330	110	43	88000
Dibenzo(a,h)anthracene	43	54	58	26 J	ND	90 / 200 / 420
Dibenzofuran	ND	86 J	99 J	48 J	ND	---
Fluoranthene	240	610	630	200	59	3100000
Fluorene	17 J	82	68	27 J	21 J	560000
Indeno(1,2,3-cd)pyrene	130	120	140	52	16 J	900 / 900 / 1600
Naphthalene, SVOC	ND	36	39	7.8 J	ND	1800
Phenanthrene	170	520	430	180	100	210000
Pyrene	360	800	570	320	68	2300000
Total Metals (mg/kg)						
Aluminum, Total	12000	8600	9300	12000	13000	---
Antimony, Total	ND	0.43 J	0.49 J	0.48 J	ND	5
Arsenic, Total	7.4	8.2 J	5.6 J	8.2	10 J	11.3 / 13
Barium, Total	48	36 J	43 J	44	63 J	1500
Beryllium, Total	0.59	0.45	0.46	0.59	0.63	22
Cadmium, Total	0.84	0.75 J	0.64 J	0.82	0.82 J	5.2
Calcium, Total	58000 J+	61000 J	95000 J	49000 J+	43000 J	---
Chromium, Total	17 J+	13 J	14 J	18 J+	18 J	21
Cobalt, Total	9.3	8.2 J	6.8 J	9.6	16 J	20
Copper, Total	31 J-	26 J	1200 J	28 J-	25 J	2900
Iron, Total	18000 J+	17000 J+	14000 J+	20000 J+	19000 J+	15000 / 15900
Lead, Total	17 J	13 J	28 J	13 J	14 J	107
Magnesium, Total	29000 J+	28000 J	38000 J	24000 J+	23000 J	325000
Manganese, Total	340 J	360 J	390 J	330 J	410 J	630 / 636
Mercury, Total	0.039 J	0.067	0.04	0.042 J	0.022	0.89
Nickel, Total	24 J	21 J	24 J	26 J	25 J	100
Potassium, Total	3700 J+	2700 J	3300 J	3700 J+	3200 J	---
Selenium, Total	ND	ND	ND	ND	ND	1.3
Silver, Total	0.061 J	0.038 J	0.15 J	0.04 J	ND	4.4
Sodium, Total	1600 J+	610 J	1000 J	1300 J+	980 J	---
Thallium, Total	0.34 J	0.67	0.45 J	0.28 J	0.53 J	2.6
Vanadium, Total	22	19	19	23	26	550
Zinc, Total	45	42 J	48 J	41	44 J	5100
TCLP Metals (mg/l)						
Barium, TCLP	0.36 ND	0.62	0.69	0.65	0.7	2
Cadmium, TCLP	0.0036 J	ND	0.0031 J	ND	0.0024 J	0.005
Cobalt, TCLP	0.054	0.021 J	0.049 J	ND	0.22	1
Copper, TCLP	0.034	ND	0.028	0.035	0.027	0.65
Iron, TCLP	ND	ND	0.47 J	0.2	0.55	5
Lead, TCLP	0.024	ND	0.034 J	ND	0.012	0.0075
Manganese, TCLP	5.4	3.7 J	6.5 J	2.7	6.4	0.15
Nickel, TCLP	0.066	0.026 J	0.054 J	0.013 J	0.048	0.1
Zinc, TCLP	ND	0.14	0.19	ND	0.17	5

Summary Table of ISGS Site No. 1860-11
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	IP-5(0-2)-040114	IP-7(0-2)-040114	IP-7(0-2)-040114D	IP-8(0-2)-040114	IP-9(0-2)-040114	**Soil Reference Concentrations[A]**
Sample Date	4/1/2014	4/1/2014	4/1/2014	4/1/2014	4/1/2014	
Location ID	IP-5	IP-7	IP-7	IP-8	IP-9	
ISGS Site No.	1860-11	1860-11	1860-11	1860-11	1860-11	
Depth	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	
Lab Sample ID	500-74263-7	500-74264-10	500-74264-11	500-74263-11	500-74264-12	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	ND	ND	ND	0.022 J	0.05
Barium, SPLP	0.15 J	0.18 J	0.23 J	0.39 J	0.46 J	2
Beryllium, SPLP	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	ND	0.014 J	0.02 J	ND	0.077	0.1
Cobalt, SPLP	ND	ND	ND	0.015 J	0.057	1
Copper, SPLP	0.014 J	ND	ND	0.053	ND	0.65
Iron, SPLP	0.23 J	7.8	12	5.7 J	71	5
Lead, SPLP	ND	0.036	0.024	0.046	0.068	0.0075
Manganese, SPLP	ND	0.13 J	0.24 J	0.91	1.2	0.15
Mercury, SPLP	ND	ND	0.00087 J	0.00015 J	0.00011 J	0.002
Nickel, SPLP	ND	0.013 J	0.019 J	0.021 J	0.091	0.1
Zinc, SPLP	0.27	ND	ND	0.22	0.39 B	5

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

Shaded values indicate concentration **exceeds** Reference Concentration.

Summary Table of ISGS Site No. 1860-11
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	IP-10(0-2)-040114	IP-11(0-4)-040114	IP-12(0-4)-040214	IP-13(0-4)-040114	IP-13(0-4)-040114D	Soil Reference Concentrations[A]
Sample Date	4/1/2014	4/1/2014	4/2/2014	4/1/2014	4/1/2014	
Location ID	IP-10	IP-11	IP-12	IP-13	IP-13	
ISGS Site No.	1860-11	1860-11	1860-11	1860-11	1860-11	
Depth	0 - 2	0 - 4	0 - 4	0 - 4	0 - 4	
Lab Sample ID	500-74263-12	500-74264-13	500-74346-6	500-74264-1	500-74264-2	
Parameter						
Laboratory pH (s.u.)	8.4	7.99	8.14	8.77	8.69	<6.25,>9.0
VOCs (ug/kg)						
Acetone	9.7	60	ND	ND	ND	25000
Methyl ethyl ketone	ND	12	ND	ND	ND	17000
SVOCs (ug/kg)						
2-Methylnaphthalene	31 J	ND	190	ND	10 J	---
Acenaphthene	ND	ND	15 J	ND	9.1 J	570000
Acenaphthylene	ND	ND	20 J	ND	15 J	85000
Anthracene	ND	ND	44	15 J	36	1.20E+07
Benzo(a)anthracene	ND	12 J	130	72 J	280 J	900 / 1100 / 1800
Benzo(a)pyrene	ND	38 J	120	74 J	270 J	90 / 1300 / 2100
Benzo(b)fluoranthene	ND	31 J	170	110 J	430 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	ND	20 J	61	65 J	290 J	2300000
Benzo(k)fluoranthene	ND	18 J	92	45 J	160 J	9000
Butyl benzyl phthalate	ND	ND	ND	ND	ND	930000
Chrysene	15 J	18 J	180	90 J	370 J	88000
Dibenzo(a,h)anthracene	ND	ND	ND	ND	74 J	90 / 200 / 420
Dibenzofuran	ND	ND	68 J	ND	ND	---
Fluoranthene	12 J	28 J	240	120 J	560 J	3100000
Fluorene	ND	ND	17 J	ND	7.9 J	560000
Indeno(1,2,3-cd)pyrene	ND	26 J	ND	50 J	190 J	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	110	ND	8 J	1800
Phenanthrene	34 J	33 J	370	62 J	180 J	210000
Pyrene	23 J	34 J	320	130 J	540 J	2300000
Total Metals (mg/kg)						
Aluminum, Total	13000	20000	7800	9500	9900	---
Antimony, Total	ND	ND	0.9 J	ND	0.46 J	5
Arsenic, Total	6.5	11 J	10	6.8 J	8.3 J	11.3 / 13
Barium, Total	55	93 J	74	49 J	57 J	1500
Beryllium, Total	0.61	0.87	0.5	0.47	0.5	22
Cadmium, Total	0.79	0.82 J	0.95 J-	0.86 J	0.99 J	5.2
Calcium, Total	43000 J+	12000 J	52000 J	78000 J	82000 J	---
Chromium, Total	19 J+	25 J	13	16 J	16 J	21
Cobalt, Total	11	14 J	7.7	6.4 J	8.2 J	20
Copper, Total	24 J-	35 J	25 J-	16 J	25 J	2900
Iron, Total	20000 J+	25000 J+	21000 J	14000 J	15000 J	15000 / 15900
Lead, Total	11 J	18 J	57 J-	7.1 J	49 J	107
Magnesium, Total	21000 J+	10000 J	31000 J	35000 J	38000 J	325000
Manganese, Total	330 J	340 J	420 J+	350 J	380 J	630 / 636
Mercury, Total	0.036 J	0.04	0.057	0.024	0.053	0.89
Nickel, Total	25 J	33 J	18 J-	17 J	19 J	100
Potassium, Total	3600 J+	3300 J	1500 J+	3400 J	2800 J	---
Selenium, Total	ND	0.45 J	ND	ND	ND	1.3
Silver, Total	0.021 J	ND	0.062 J	0.05 J	0.048 J	4.4
Sodium, Total	2200 J+	1800 J	450	1400 J	1900 J	---
Thallium, Total	ND	0.65	0.29 J	0.32 J	0.4 J	2.6
Vanadium, Total	24	35	18	16	19	550
Zinc, Total	49	49 J	68 J-	30 J	60 J	5100
TCLP Metals (mg/l)						
Barium, TCLP	0.71	0.76	0.49 J	0.43 J	0.44 J	2
Cadmium, TCLP	ND	ND	ND	0.0067	0.0072	0.005
Cobalt, TCLP	0.029	0.036	ND	0.079	0.064	1
Copper, TCLP	0.031	0.014 J	0.011 J	0.01 J	ND	0.65
Iron, TCLP	ND	0.3	ND	ND	ND	5
Lead, TCLP	ND	ND	0.16	0.094 J	0.041 J	0.0075
Manganese, TCLP	3.8	7.7	0.4	5.7	5.4	0.15
Nickel, TCLP	0.02 J	0.022 J	ND	0.078	0.067	0.1
Zinc, TCLP	ND	0.14	0.16	0.14 J	0.24 J	5

Summary Table of ISGS Site No. 1860-11
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Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	IP-10(0-2)-040114	IP-11(0-4)-040114	IP-12(0-4)-040214	IP-13(0-4)-040114	IP-13(0-4)-040114D	**Soil Reference Concentrations[A]**
Sample Date	4/1/2014	4/1/2014	4/2/2014	4/1/2014	4/1/2014	
Location ID	IP-10	IP-11	IP-12	IP-13	IP-13	
ISGS Site No.	1860-11	1860-11	1860-11	1860-11	1860-11	
Depth	0 - 2	0 - 4	0 - 4	0 - 4	0 - 4	
Lab Sample ID	500-74263-12	500-74264-13	500-74346-6	500-74264-1	500-74264-2	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	ND	0.015 J	0.09 J	ND	0.05
Barium, SPLP	0.59	0.29 J	0.67	0.52	0.32 J	2
Beryllium, SPLP	ND	ND	ND	0.0066	ND	0.004
Cadmium, SPLP	ND	ND	ND	0.0026 J	ND	0.005
Chromium, SPLP	ND	0.013 J	0.028	0.17 J	0.021 J	0.1
Cobalt, SPLP	0.03	ND	ND	0.06 J	ND	1
Copper, SPLP	0.073	ND	0.042	ND	ND	0.65
Iron, SPLP	9.1 J	11	33	170 J	17 J	5
Lead, SPLP	0.046	0.059	0.038	0.19 J	0.2 J	0.0075
Manganese, SPLP	1.2	0.55	0.14	0.94 J	0.27 J	0.15
Mercury, SPLP	0.00025	0.00012 J	ND	0.00027	0.00035	0.002
Nickel, SPLP	0.02 J	0.017 J	0.024 J	0.19 J	0.025 J	0.1
Zinc, SPLP	0.18	ND	0.54	0.7 J	ND	5

Notes:

--- - not applicable or value not available.

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

Shaded values indicate concentration **exceeds** Reference Concentration.

Summary Table of ISGS Site No. 1860-11
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	IP-15(0-4)-040114	IP-17(0-4)-033114	IP-18(0-4)-033114	IP-18(0-4)-033114	IP-19(0-4)-033114	Soil Reference Concentrations[A]
Sample Date	4/1/2014	3/31/2014	3/31/2014	3/31/2014	3/31/2014	
Location ID	IP-15	IP-17	IP-18	IP-18	IP-19	
ISGS Site No.	1860-11	1860-11	1860-11	1860-11	1860-11	
Depth	0 - 4	0 - 4	0 - 4	0 - 4	0 - 4	
Lab Sample ID	500-74264-4	500-74181-12	500-74180-20	500-74180-20	500-74180-19	
Parameter						
Laboratory pH (s.u.)	8.01	7.94	8.25	8.78	8.06	<6.25,>9.0
VOCs (ug/kg)						
Acetone	ND	ND	ND	ND	8.8	25000
Methyl ethyl ketone	ND	ND	ND	ND	ND	17000
SVOCs (ug/kg)						
2-Methylnaphthalene	ND	ND	ND	ND	ND	---
Acenaphthene	ND	ND	ND	ND	ND	570000
Acenaphthylene	ND	ND	ND	ND	ND	85000
Anthracene	27 J	27 J	15 J	10 J	ND	1.20E+07
Benzo(a)anthracene	140	83	97	80	57	900 / 1100 / 1800
Benzo(a)pyrene	130	74	93	89	71	90 / 1300 / 2100
Benzo(b)fluoranthene	190	110	150	130	95	900 / 1500 / 2100
Benzo(g,h,i)perylene	120	56	75	56	41	2300000
Benzo(k)fluoranthene	88	56	50	68	55	9000
Butyl benzyl phthalate	ND	ND	ND	ND	ND	930000
Chrysene	180	110	140	130	84	88000
Dibenzo(a,h)anthracene	39	30 J	32 J	29 J	26 J	90 / 200 / 420
Dibenzofuran	ND	ND	ND	ND	ND	---
Fluoranthene	310	160	190	130	92	3100000
Fluorene	ND	ND	ND	ND	ND	560000
Indeno(1,2,3-cd)pyrene	81	44	53	49	39	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	ND	ND	ND	1800
Phenanthrene	130	97	80	68	37 J	210000
Pyrene	280	120	160	180	130	2300000
Total Metals (mg/kg)						
Aluminum, Total	14000	12000	12000	11000	10000	---
Antimony, Total	ND	ND	ND	ND	ND	5
Arsenic, Total	6.9 J	6.6 J-	8.1 J-	8.6 J+	8.5 J+	11.3 / 13
Barium, Total	50 J	72 J	84 J	67	59	1500
Beryllium, Total	0.68	0.59 J-	0.62 J-	0.57 J	0.55 J	22
Cadmium, Total	0.51 J	0.85 J-	1 J-	0.9	0.61	5.2
Calcium, Total	4300 J	34000 J	35000 J	38000 J	13000 J	---
Chromium, Total	19 J	23 J-	20 J-	18	14	21
Cobalt, Total	7.1 J	9.1	9.2	8.5	8.1	20
Copper, Total	21 J	26 J	29 J	29 B	30 B	2900
Iron, Total	17000 J+	18000 J	21000 J	20000 J+	17000 J+	15000 / 15900
Lead, Total	14 J	95 J	90 J	86 J	26 J	107
Magnesium, Total	4800 J	19000 J	18000 J	20000 J	9300 J	325000
Manganese, Total	160 J	360 J	290 J	310 J	260 J	630 / 636
Mercury, Total	0.057	0.039 J	0.034 J	0.029 J+	0.044 J+	0.89
Nickel, Total	19 J	25 J	24 J	22 J-	22 J-	100
Potassium, Total	2200 J	2700 J	2400 J	2000 J	1300 J	---
Selenium, Total	0.36 J	ND	ND	ND	0.49 J	1.3
Silver, Total	ND	0.035 J	0.049 J	0.036 J	ND	4.4
Sodium, Total	1000 J	2800	1900	1800	2000	---
Thallium, Total	0.28 J	0.43 J	0.53 J	0.41 J	0.43 J	2.6
Vanadium, Total	31	22 J	22 J	21	20	550
Zinc, Total	44 J	55 J	68 J	67 J	47 J	5100
TCLP Metals (mg/l)						
Barium, TCLP	0.33 J	0.55	0.62	0.43 J	0.39 J	2
Cadmium, TCLP	ND	0.0032 J	0.0034 J	0.0032 J	0.0021 J	0.005
Cobalt, TCLP	ND	0.032	0.041	0.044	0.01 J	1
Copper, TCLP	0.011 J	0.025	0.043 J	0.015 J	0.073	0.65
Iron, TCLP	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	0.032	0.029	0.04	0.024	0.0075
Manganese, TCLP	1.6	4.4	4.6	4.5	1.9	0.15
Nickel, TCLP	0.013 J	0.051	0.039	0.038	0.011 J	0.1
Zinc, TCLP	0.12	0.13	0.13	0.077 J	0.29	5

Summary Table of ISGS Site No. 1860-11
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Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	IP-15(0-4)-040114	IP-17(0-4)-033114	IP-18(0-4)-033114	IP-18(0-4)-033114	IP-19(0-4)-033114	**Soil Reference Concentrations[A]**
Sample Date	4/1/2014	3/31/2014	3/31/2014	3/31/2014	3/31/2014	
Location ID	IP-15	IP-17	IP-18	IP-18	IP-19	
ISGS Site No.	1860-11	1860-11	1860-11	1860-11	1860-11	
Depth	0 - 4	0 - 4	0 - 4	0 - 4	0 - 4	
Lab Sample ID	500-74264-4	500-74181-12	500-74180-20	500-74180-20	500-74180-19	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	ND	0.031 J	0.046 J	0.024 J	0.05
Barium, SPLP	0.21 J	ND	ND	0.51 B	ND	2
Beryllium, SPLP	ND	ND	ND	0.0046	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	ND	0.015 J	0.095	0.12	0.069	0.1
Cobalt, SPLP	ND	ND	0.029 J	0.04 J	0.02 J	1
Copper, SPLP	ND	0.052	0.1 J	0.18 J	0.13 B	0.65
Iron, SPLP	4.1	9.3	86	120 J+	68 J+	5
Lead, SPLP	ND	0.011	0.12 J	0.23 J	0.092	0.0075
Manganese, SPLP	0.12	0.096	0.48	0.68	0.43	0.15
Mercury, SPLP	0.000087 J	ND	0.0001 J	0.00015 J	0.000098 J	0.002
Nickel, SPLP	ND	0.012 J	0.097	0.13	0.069	0.1
Zinc, SPLP	ND	0.49 B	0.68 B	0.44 B	ND	5

Notes:

--- - not applicable or value not available.

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

Shaded values indicate concentration **exceeds** Reference Concentration.

Summary Table of ISGS Site No. 1860-11
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
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Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	IP-20(0-4)-033114	IP-21(0-4)-033114	IP-22(0-4)-033114	IP-23(0-2)-033114	Soil Reference Concentrations[A]
Sample Date	3/31/2014	3/31/2014	3/31/2014	3/31/2014	
Location ID	IP-20	IP-21	IP-22	IP-23	
ISGS Site No.	1860-11	1860-11	1860-11	1860-11	
Depth	0 - 4	0 - 4	0 - 4	0 - 2	
Lab Sample ID	500-74180-18	500-74180-17	500-74180-16	500-74180-15	
Parameter					
Laboratory pH (s.u.)	8.44	8.2	8.47	7.85	<6.25,>9.0
VOCs (ug/kg)					
Acetone	ND	12	ND	ND	25000
Methyl ethyl ketone	ND	ND	ND	ND	17000
SVOCs (ug/kg)					
2-Methylnaphthalene	ND	ND	ND	ND	---
Acenaphthene	ND	ND	ND	ND	570000
Acenaphthylene	ND	ND	ND	ND	85000
Anthracene	ND	ND	ND	61 J	1.20E+07
Benzo(a)anthracene	120 J	7.5 J	34 J	450	900 / 1100 / 1800
Benzo(a)pyrene	230	32 J	53	460	90 / 1300 / 2100
Benzo(b)fluoranthene	230	25 J	61	620	900 / 1500 / 2100
Benzo(g,h,i)perylene	180 J	16 J	29 J	440	2300000
Benzo(k)fluoranthene	120 J	15 J	30 J	320	9000
Butyl benzyl phthalate	ND	ND	ND	ND	930000
Chrysene	150 J	ND	50	570	88000
Dibenzo(a,h)anthracene	120 J	21 J	24 J	140 J	90 / 200 / 420
Dibenzofuran	ND	ND	ND	ND	---
Fluoranthene	160 J	9.9 J	49	880	3100000
Fluorene	ND	ND	ND	ND	560000
Indeno(1,2,3-cd)pyrene	160 J	22 J	30 J	310	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	ND	ND	1800
Phenanthrene	66 J	ND	22 J	300	210000
Pyrene	190	11 J	66	820	2300000
Total Metals (mg/kg)					
Aluminum, Total	9200	11000	10000	9800	---
Antimony, Total	ND	ND	ND	0.61 J	5
Arsenic, Total	7.6 J+	6.9 J+	11 J+	7 J+	11.3 / 13
Barium, Total	54	48	65	71	1500
Beryllium, Total	0.49 J	0.6 J	0.63 J	0.54 J	22
Cadmium, Total	0.77	0.39	0.62	1.1	5.2
Calcium, Total	52000 J	4900 J	4700 J	38000 J	---
Chromium, Total	14	16	16	21	21
Cobalt, Total	9.5	6.2	9	6.9	20
Copper, Total	24 B	17 B	21 B	35 B	2900
Iron, Total	15000 J+	14000 J+	19000 J+	15000 J+	15000 / 15900
Lead, Total	25 J	22 J	19 J	160 J	107
Magnesium, Total	31000 J	4200 J	3100 J	21000 J	325000
Manganese, Total	360 J	180 J	340 J	320 J	630 / 636
Mercury, Total	0.039 J+	0.032 J+	0.04 J+	0.059 J+	0.89
Nickel, Total	19 J-	17 J-	20 J-	19 J-	100
Potassium, Total	2000 J	1400 J	1300 J	2100 J	---
Selenium, Total	ND	0.64	0.74	ND	1.3
Silver, Total	0.033 J	ND	ND	0.081 J	4.4
Sodium, Total	310	1200	2200	1700	---
Thallium, Total	0.4 J	ND	0.4 J	0.32 J	2.6
Vanadium, Total	19	23	26	22	550
Zinc, Total	50 J	38 J	47 J	150 J	5100
TCLP Metals (mg/l)					
Barium, TCLP	0.4 J	0.45 J	0.26 J	0.41 J	2
Cadmium, TCLP	ND	ND	ND	ND	0.005
Cobalt, TCLP	ND	ND	ND	ND	1
Copper, TCLP	0.034	0.029	0.023 J	0.014 J	0.65
Iron, TCLP	ND	ND	0.21	ND	5
Lead, TCLP	ND	ND	ND	ND	0.0075
Manganese, TCLP	0.46	0.72	0.15	0.9	0.15
Nickel, TCLP	ND	ND	ND	ND	0.1
Zinc, TCLP	0.11	0.12	0.14	0.11	5

Summary Table of ISGS Site No. 1860-11
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	IP-20(0-4)-033114	IP-21(0-4)-033114	IP-22(0-4)-033114	IP-23(0-2)-033114	**Soil Reference Concentrations[A]**
Sample Date	3/31/2014	3/31/2014	3/31/2014	3/31/2014	
Location ID	IP-20	IP-21	IP-22	IP-23	
ISGS Site No.	1860-11	1860-11	1860-11	1860-11	
Depth	0 - 4	0 - 4	0 - 4	0 - 2	
Lab Sample ID	500-74180-18	500-74180-17	500-74180-16	500-74180-15	
Parameter					
SPLP Metals (mg/l)					
Arsenic, SPLP	0.036 J	0.044 J	0.055	0.063	0.05
Barium, SPLP	ND	ND	0.71 B	0.51 B	2
Beryllium, SPLP	ND	ND	0.0049	0.0048	0.004
Cadmium, SPLP	ND	ND	0.0021 J	0.0023 J	0.005
Chromium, SPLP	0.059	0.094	0.14	0.12	0.1
Cobalt, SPLP	0.021 J	0.03	0.041	0.045	1
Copper, SPLP	0.081 B	0.11 B	0.13 B	0.19 B	0.65
Iron, SPLP	64 J+	77 J+	120 J+	130 J+	5
Lead, SPLP	0.063	0.046	0.088	0.23	0.0075
Manganese, SPLP	0.27	0.69	0.83	0.61	0.15
Mercury, SPLP	9.70E-05 J	0.00012 J	0.00023	0.00021	0.002
Nickel, SPLP	0.068	0.081	0.13	0.13	0.1
Zinc, SPLP	ND	ND	0.42 B	0.57 B	5

Notes:

--- - not applicable or value not available.

ND - Constituent not detected above the reporting limit.
B - Constituent detected in the blank and investigative sample.
J - Estimated concentration.
J+ - Estimated concentration, biased high.
J- - Estimated concentration, biased low.
Shaded values indicate concentration **exceeds** Reference Concentration.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-74180-1
Client Project/Site: IDOT - Lyons, McCook, Summit - 050

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar

Authorized for release by:
4/9/2014 4:15:50 PM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client Sample ID: IP-23(0-2)-033114
Date Collected: 03/31/14 13:30
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-15
Matrix: Solid
Percent Solids: 84.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.6	ug/Kg	☼		04/01/14 16:44	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		04/01/14 16:44	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/01/14 16:44	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		04/01/14 16:44	1
Bromomethane	<5.9	*	5.9	1.8	ug/Kg	☼		04/01/14 16:44	1
Carbon disulfide	<5.9		5.9	0.89	ug/Kg	☼		04/01/14 16:44	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		04/01/14 16:44	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		04/01/14 16:44	1
Chloroethane	<5.9	*	5.9	1.6	ug/Kg	☼		04/01/14 16:44	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		04/01/14 16:44	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		04/01/14 16:44	1
cis-1,2-Dichloroethene	<5.9		5.9	0.84	ug/Kg	☼		04/01/14 16:44	1
cis-1,3-Dichloropropene	<5.9		5.9	0.78	ug/Kg	☼		04/01/14 16:44	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/01/14 16:44	1
1,1-Dichloroethane	<5.9		5.9	0.94	ug/Kg	☼		04/01/14 16:44	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/01/14 16:44	1
1,1-Dichloroethene	<5.9		5.9	0.96	ug/Kg	☼		04/01/14 16:44	1
1,2-Dichloropropane	<5.9		5.9	0.90	ug/Kg	☼		04/01/14 16:44	1
1,3-Dichloropropene, Total	<5.9		5.9	0.78	ug/Kg	☼		04/01/14 16:44	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		04/01/14 16:44	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		04/01/14 16:44	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		04/01/14 16:44	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		04/01/14 16:44	1
methyl isobutyl ketone	<5.9		5.9	1.6	ug/Kg	☼		04/01/14 16:44	1
Methyl tert-butyl ether	<5.9		5.9	0.98	ug/Kg	☼		04/01/14 16:44	1
Styrene	<5.9		5.9	0.78	ug/Kg	☼		04/01/14 16:44	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		04/01/14 16:44	1
Tetrachloroethene	<5.9		5.9	0.91	ug/Kg	☼		04/01/14 16:44	1
Toluene	<5.9		5.9	0.83	ug/Kg	☼		04/01/14 16:44	1
trans-1,2-Dichloroethene	<5.9		5.9	0.82	ug/Kg	☼		04/01/14 16:44	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		04/01/14 16:44	1
1,1,1-Trichloroethane	<5.9		5.9	0.89	ug/Kg	☼		04/01/14 16:44	1
1,1,2-Trichloroethane	<5.9		5.9	0.81	ug/Kg	☼		04/01/14 16:44	1
Trichloroethene	<5.9		5.9	0.98	ug/Kg	☼		04/01/14 16:44	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		04/01/14 16:44	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		04/01/14 16:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 122*		*04/01/14 16:44*	*1*
Dibromofluoromethane	*120*		*75 - 120*		*04/01/14 16:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 134*		*04/01/14 16:44*	*1*
Toluene-d8 (Surr)	*96*		*75 - 122*		*04/01/14 16:44*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<940		940	200	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
1,2-Dichlorobenzene	<940		940	220	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
1,3-Dichlorobenzene	<940		940	210	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
1,4-Dichlorobenzene	<940		940	240	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
2,2'-oxybis[1-chloropropane]	<940		940	220	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: IP-23(0-2)-033114
Date Collected: 03/31/14 13:30
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-15
Matrix: Solid
Percent Solids: 84.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1900		1900	430	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
2,4,6-Trichlorophenol	<1900		1900	640	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
2,4-Dichlorophenol	<1900		1900	450	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
2,4-Dimethylphenol	<1900		1900	710	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
2,4-Dinitrophenol	<3800		3800	3300	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
2,4-Dinitrotoluene	<940		940	300	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
2,6-Dinitrotoluene	<940		940	370	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
2-Chloronaphthalene	<940		940	210	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
2-Chlorophenol	<940		940	320	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
2-Methylnaphthalene	<190		190	34	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
2-Methylphenol	<940		940	300	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
2-Nitroaniline	<940		940	250	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
2-Nitrophenol	<1900		1900	440	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
3 & 4 Methylphenol	<940		940	310	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
3,3'-Dichlorobenzidine	<940		940	260	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
3-Nitroaniline	<1900		1900	580	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
4,6-Dinitro-2-methylphenol	<1900		1900	1500	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
4-Bromophenyl phenyl ether	<940		940	250	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
4-Chloro-3-methylphenol	<1900		1900	640	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
4-Chloroaniline	<3800		3800	880	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
4-Chlorophenyl phenyl ether	<940		940	220	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
4-Nitroaniline	<1900		1900	780	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
4-Nitrophenol	<3800		3800	1800	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Acenaphthene	<190		190	34	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Acenaphthylene	<190		190	25	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Anthracene	**61**	**J**	190	31	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Benzo[a]anthracene	**450**		190	25	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Benzo[a]pyrene	**460**		190	36	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Benzo[b]fluoranthene	**620**		190	40	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Benzo[g,h,i]perylene	**440**		190	60	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Benzo[k]fluoranthene	**320**		190	55	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Bis(2-chloroethoxy)methane	<940		940	190	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Bis(2-chloroethyl)ether	<940		940	280	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Bis(2-ethylhexyl) phthalate	<940		940	340	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Butyl benzyl phthalate	<940		940	360	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Carbazole	<940		940	480	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Chrysene	**570**		190	51	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Dibenz(a,h)anthracene	**140**	**J**	190	36	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Dibenzofuran	<940		940	220	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Diethyl phthalate	<940		940	320	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Dimethyl phthalate	<940		940	240	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Di-n-butyl phthalate	<940		940	290	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Di-n-octyl phthalate	<940		940	310	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Fluoranthene	**880**		190	35	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Fluorene	<190		190	26	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Hexachlorobenzene	<380		380	43	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Hexachlorobutadiene	<940		940	290	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Hexachlorocyclopentadiene	<3800		3800	1100	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Hexachloroethane	<940		940	290	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: IP-23(0-2)-033114
Date Collected: 03/31/14 13:30
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-15
Matrix: Solid
Percent Solids: 84.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	310		190	49	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Isophorone	<940		940	210	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Naphthalene	<190		190	29	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Nitrobenzene	<190		190	47	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
N-Nitrosodi-n-propylamine	<940		940	230	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
N-Nitrosodiphenylamine	<940		940	220	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Pentachlorophenol	<3800		3800	3000	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Phenanthrene	300		190	26	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Phenol	<940		940	420	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5
Pyrene	820		190	37	ug/Kg	☼	04/01/14 06:56	04/07/14 14:11	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*95*		*35 - 137*	*04/01/14 06:56*	*04/07/14 14:11*	*5*
2-Fluorobiphenyl	*60*		*25 - 119*	*04/01/14 06:56*	*04/07/14 14:11*	*5*
2-Fluorophenol	*55*		*25 - 110*	*04/01/14 06:56*	*04/07/14 14:11*	*5*
Nitrobenzene-d5	*55*		*25 - 115*	*04/01/14 06:56*	*04/07/14 14:11*	*5*
Phenol-d5	*63*		*31 - 110*	*04/01/14 06:56*	*04/07/14 14:11*	*5*
Terphenyl-d14	*109*		*36 - 134*	*04/01/14 06:56*	*04/07/14 14:11*	*5*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 17:50	1
Barium	0.41	J	0.50	0.050	mg/L		04/03/14 08:15	04/03/14 17:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/14 08:15	04/03/14 17:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/14 08:15	04/03/14 17:50	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:50	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:50	1
Copper	0.014	J	0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:50	1
Iron	<0.20		0.20	0.20	mg/L		04/03/14 08:15	04/03/14 17:50	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/14 08:15	04/03/14 17:50	1
Manganese	0.90		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:50	1
Nickel	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:50	1
Selenium	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 17:50	1
Silver	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:50	1
Zinc	0.11		0.10	0.020	mg/L		04/03/14 08:15	04/03/14 17:50	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.063		0.050	0.010	mg/L		04/02/14 09:15	04/03/14 14:30	1
Barium	0.51	B	0.50	0.050	mg/L		04/02/14 09:15	04/03/14 14:30	1
Beryllium	0.0048		0.0040	0.0040	mg/L		04/02/14 09:15	04/03/14 14:30	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		04/02/14 09:15	04/03/14 14:30	1
Chromium	0.12		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:30	1
Cobalt	0.045		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:30	1
Copper	0.19	B	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:30	1
Iron	130		0.20	0.20	mg/L		04/02/14 09:15	04/03/14 14:30	1
Lead	0.23		0.0075	0.0075	mg/L		04/02/14 09:15	04/03/14 14:30	1
Manganese	0.61		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:30	1
Nickel	0.13		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:30	1
Selenium	<0.050		0.050	0.010	mg/L		04/02/14 09:15	04/03/14 14:30	1

Client Sample ID: IP-23(0-2)-033114
Date Collected: 03/31/14 13:30
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-15
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:30	1
Zinc	**0.57**	**B**	0.10	0.020	mg/L		04/02/14 09:15	04/03/14 14:30	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9800**		12	2.3	mg/Kg	☼	04/01/14 09:15	04/01/14 17:18	1
Antimony	**0.61**	**J**	1.2	0.47	mg/Kg	☼	04/01/14 09:15	04/01/14 17:18	1
Arsenic	**7.0**		0.58	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 17:18	1
Barium	**71**		0.58	0.063	mg/Kg	☼	04/01/14 09:15	04/01/14 17:18	1
Beryllium	**0.54**		0.23	0.047	mg/Kg	☼	04/01/14 09:15	04/01/14 17:18	1
Cadmium	**1.1**		0.12	0.015	mg/Kg	☼	04/01/14 09:15	04/01/14 17:18	1
Calcium	**38000**	**B**	12	3.2	mg/Kg	☼	04/01/14 09:15	04/01/14 17:18	1
Chromium	**21**		0.58	0.068	mg/Kg	☼	04/01/14 09:15	04/01/14 17:18	1
Cobalt	**6.9**		0.29	0.058	mg/Kg	☼	04/01/14 09:15	04/01/14 17:18	1
Copper	**35**	**B**	0.58	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 17:18	1
Iron	**15000**	**B**	12	4.8	mg/Kg	☼	04/01/14 09:15	04/01/14 17:18	1
Lead	**160**	**B**	0.29	0.087	mg/Kg	☼	04/01/14 09:15	04/01/14 17:18	1
Magnesium	**21000**	**B**	5.8	1.2	mg/Kg	☼	04/01/14 09:15	04/01/14 17:18	1
Manganese	**320**		0.58	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 17:18	1
Nickel	**19**		0.58	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 17:18	1
Potassium	**2100**		29	1.8	mg/Kg	☼	04/01/14 09:15	04/01/14 17:18	1
Selenium	<0.58		0.58	0.21	mg/Kg	☼	04/01/14 09:15	04/01/14 17:18	1
Silver	**0.081**	**J**	0.29	0.021	mg/Kg	☼	04/01/14 09:15	04/01/14 17:18	1
Sodium	**1700**		58	7.8	mg/Kg	☼	04/01/14 09:15	04/01/14 17:18	1
Thallium	**0.32**	**J**	0.58	0.25	mg/Kg	☼	04/01/14 09:15	04/01/14 17:18	1
Vanadium	**22**		0.29	0.043	mg/Kg	☼	04/01/14 09:15	04/01/14 17:18	1
Zinc	**150**		1.2	0.24	mg/Kg	☼	04/01/14 09:15	04/01/14 17:18	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/03/14 13:10	04/04/14 11:02	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.21**		0.20	0.020	ug/L		04/02/14 15:00	04/03/14 09:27	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**59**		19	7.4	ug/Kg	☼	04/01/14 14:20	04/02/14 10:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.85**		0.200	0.200	SU			04/06/14 12:00	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: IP-22(0-4)-033114
Date Collected: 03/31/14 13:45
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-16
Matrix: Solid
Percent Solids: 83.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		04/01/14 17:07	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		04/01/14 17:07	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/01/14 17:07	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		04/01/14 17:07	1
Bromomethane	<6.0	*	6.0	1.8	ug/Kg	☼		04/01/14 17:07	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		04/01/14 17:07	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		04/01/14 17:07	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		04/01/14 17:07	1
Chloroethane	<6.0	*	6.0	1.6	ug/Kg	☼		04/01/14 17:07	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		04/01/14 17:07	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		04/01/14 17:07	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		04/01/14 17:07	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		04/01/14 17:07	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/01/14 17:07	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		04/01/14 17:07	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/01/14 17:07	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		04/01/14 17:07	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		04/01/14 17:07	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		04/01/14 17:07	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		04/01/14 17:07	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		04/01/14 17:07	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		04/01/14 17:07	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		04/01/14 17:07	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		04/01/14 17:07	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		04/01/14 17:07	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		04/01/14 17:07	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/01/14 17:07	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		04/01/14 17:07	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		04/01/14 17:07	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	☼		04/01/14 17:07	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		04/01/14 17:07	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		04/01/14 17:07	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		04/01/14 17:07	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		04/01/14 17:07	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		04/01/14 17:07	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		04/01/14 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 122*		*04/01/14 17:07*	*1*
Dibromofluoromethane	*113*		*75 - 120*		*04/01/14 17:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 134*		*04/01/14 17:07*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*04/01/14 17:07*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: IP-22(0-4)-033114
Date Collected: 03/31/14 13:45
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-16
Matrix: Solid
Percent Solids: 83.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	86	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
2,4-Dinitrophenol	<760		760	670	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
2-Methylnaphthalene	<38		38	6.9	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
2-Methylphenol	<190		190	61	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
2-Nitrophenol	<380		380	89	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
4,6-Dinitro-2-methylphenol	<380		380	300	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Anthracene	<38		38	6.3	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Benzo[a]anthracene	**34**	**J**	38	5.1	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Benzo[a]pyrene	**53**		38	7.3	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Benzo[b]fluoranthene	**61**		38	8.2	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Benzo[g,h,i]perylene	**29**	**J**	38	12	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Benzo[k]fluoranthene	**30**	**J**	38	11	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Carbazole	<190		190	98	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Chrysene	**50**		38	10	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Dibenz(a,h)anthracene	**24**	**J**	38	7.3	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Dibenzofuran	<190		190	44	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Fluoranthene	**49**		38	7.0	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Fluorene	<38		38	5.3	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Hexachlorobenzene	<76		76	8.8	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Hexachloroethane	<190		190	57	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1

Client Sample ID: IP-22(0-4)-033114
Date Collected: 03/31/14 13:45
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-16
Matrix: Solid
Percent Solids: 83.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	30	J	38	9.8	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Isophorone	<190		190	42	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Naphthalene	<38		38	5.8	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Nitrobenzene	<38		38	9.4	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Phenanthrene	22	J	38	5.3	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Phenol	<190		190	84	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1
Pyrene	66		38	7.5	ug/Kg	☼	04/01/14 06:56	04/07/14 14:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*77*		*35 - 137*	*04/01/14 06:56*	*04/07/14 14:30*	*1*
2-Fluorobiphenyl	*56*		*25 - 119*	*04/01/14 06:56*	*04/07/14 14:30*	*1*
2-Fluorophenol	*58*		*25 - 110*	*04/01/14 06:56*	*04/07/14 14:30*	*1*
Nitrobenzene-d5	*57*		*25 - 115*	*04/01/14 06:56*	*04/07/14 14:30*	*1*
Phenol-d5	*58*		*31 - 110*	*04/01/14 06:56*	*04/07/14 14:30*	*1*
Terphenyl-d14	*151*	*X*	*36 - 134*	*04/01/14 06:56*	*04/07/14 14:30*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 17:56	1
Barium	0.26	J	0.50	0.050	mg/L		04/03/14 08:15	04/03/14 17:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/14 08:15	04/03/14 17:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/14 08:15	04/03/14 17:56	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:56	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:56	1
Copper	0.023	J	0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:56	1
Iron	0.21		0.20	0.20	mg/L		04/03/14 08:15	04/03/14 17:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/14 08:15	04/03/14 17:56	1
Manganese	0.15		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:56	1
Nickel	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:56	1
Selenium	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 17:56	1
Silver	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:56	1
Zinc	0.14		0.10	0.020	mg/L		04/03/14 08:15	04/03/14 17:56	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.055		0.050	0.010	mg/L		04/02/14 09:15	04/03/14 14:36	1
Barium	0.71	B	0.50	0.050	mg/L		04/02/14 09:15	04/03/14 14:36	1
Beryllium	0.0049		0.0040	0.0040	mg/L		04/02/14 09:15	04/03/14 14:36	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		04/02/14 09:15	04/03/14 14:36	1
Chromium	0.14		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:36	1
Cobalt	0.041		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:36	1
Copper	0.13	B	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:36	1
Iron	120		0.20	0.20	mg/L		04/02/14 09:15	04/03/14 14:36	1
Lead	0.088		0.0075	0.0075	mg/L		04/02/14 09:15	04/03/14 14:36	1
Manganese	0.83		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:36	1
Nickel	0.13		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:36	1
Selenium	<0.050		0.050	0.010	mg/L		04/02/14 09:15	04/03/14 14:36	1

Client Sample ID: IP-22(0-4)-033114
Date Collected: 03/31/14 13:45
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-16
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:36	1
Zinc	**0.42**	**B**	0.10	0.020	mg/L		04/02/14 09:15	04/03/14 14:36	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		11	2.2	mg/Kg	☼	04/01/14 09:15	04/01/14 17:24	1
Antimony	<1.1		1.1	0.44	mg/Kg	☼	04/01/14 09:15	04/01/14 17:24	1
Arsenic	**11**		0.55	0.11	mg/Kg	☼	04/01/14 09:15	04/01/14 17:24	1
Barium	**65**		0.55	0.059	mg/Kg	☼	04/01/14 09:15	04/01/14 17:24	1
Beryllium	**0.63**		0.22	0.044	mg/Kg	☼	04/01/14 09:15	04/01/14 17:24	1
Cadmium	**0.62**		0.11	0.014	mg/Kg	☼	04/01/14 09:15	04/01/14 17:24	1
Calcium	**4700**	**B**	11	3.0	mg/Kg	☼	04/01/14 09:15	04/01/14 17:24	1
Chromium	**16**		0.55	0.064	mg/Kg	☼	04/01/14 09:15	04/01/14 17:24	1
Cobalt	**9.0**		0.28	0.055	mg/Kg	☼	04/01/14 09:15	04/01/14 17:24	1
Copper	**21**	**B**	0.55	0.11	mg/Kg	☼	04/01/14 09:15	04/01/14 17:24	1
Iron	**19000**	**B**	11	4.5	mg/Kg	☼	04/01/14 09:15	04/01/14 17:24	1
Lead	**19**	**B**	0.28	0.082	mg/Kg	☼	04/01/14 09:15	04/01/14 17:24	1
Magnesium	**3100**	**B**	5.5	1.1	mg/Kg	☼	04/01/14 09:15	04/01/14 17:24	1
Manganese	**340**		0.55	0.11	mg/Kg	☼	04/01/14 09:15	04/01/14 17:24	1
Nickel	**20**		0.55	0.11	mg/Kg	☼	04/01/14 09:15	04/01/14 17:24	1
Potassium	**1300**		28	1.7	mg/Kg	☼	04/01/14 09:15	04/01/14 17:24	1
Selenium	**0.74**		0.55	0.20	mg/Kg	☼	04/01/14 09:15	04/01/14 17:24	1
Silver	<0.28		0.28	0.020	mg/Kg	☼	04/01/14 09:15	04/01/14 17:24	1
Sodium	**2200**		55	7.4	mg/Kg	☼	04/01/14 09:15	04/01/14 17:24	1
Thallium	**0.40**	**J**	0.55	0.23	mg/Kg	☼	04/01/14 09:15	04/01/14 17:24	1
Vanadium	**26**		0.28	0.041	mg/Kg	☼	04/01/14 09:15	04/01/14 17:24	1
Zinc	**47**		1.1	0.22	mg/Kg	☼	04/01/14 09:15	04/01/14 17:24	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/03/14 13:10	04/04/14 11:04	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.23**		0.20	0.020	ug/L		04/02/14 15:00	04/03/14 09:29	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**40**		19	7.6	ug/Kg	☼	04/01/14 14:20	04/02/14 10:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.47**		0.200	0.200	SU			04/06/14 12:02	1

Client Sample ID: IP-21(0-4)-033114
Date Collected: 03/31/14 13:55
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-17
Matrix: Solid
Percent Solids: 82.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	12		6.0	2.6	ug/Kg	☼		04/03/14 12:02	1
Benzene	<6.0		6.0	0.83	ug/Kg	☼		04/03/14 12:02	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/03/14 12:02	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		04/03/14 12:02	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		04/03/14 12:02	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		04/03/14 12:02	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		04/03/14 12:02	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		04/03/14 12:02	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		04/03/14 12:02	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		04/03/14 12:02	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		04/03/14 12:02	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		04/03/14 12:02	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		04/03/14 12:02	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/03/14 12:02	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		04/03/14 12:02	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/03/14 12:02	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		04/03/14 12:02	1
1,2-Dichloropropane	<6.0		6.0	0.92	ug/Kg	☼		04/03/14 12:02	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		04/03/14 12:02	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		04/03/14 12:02	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		04/03/14 12:02	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		04/03/14 12:02	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		04/03/14 12:02	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		04/03/14 12:02	1
Methyl tert-butyl ether	<6.0		6.0	1.0	ug/Kg	☼		04/03/14 12:02	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		04/03/14 12:02	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/03/14 12:02	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		04/03/14 12:02	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		04/03/14 12:02	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	☼		04/03/14 12:02	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		04/03/14 12:02	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		04/03/14 12:02	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		04/03/14 12:02	1
Trichloroethene	<6.0		6.0	1.0	ug/Kg	☼		04/03/14 12:02	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		04/03/14 12:02	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		04/03/14 12:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*119*		*70 - 122*		*04/03/14 12:02*	*1*
Dibromofluoromethane	*112*		*75 - 120*		*04/03/14 12:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 134*		*04/03/14 12:02*	*1*
Toluene-d8 (Surr)	*102*		*75 - 122*		*04/03/14 12:02*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: IP-21(0-4)-033114
Date Collected: 03/31/14 13:55
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-17
Matrix: Solid
Percent Solids: 82.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	86	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
2,4-Dinitrophenol	<760		760	670	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
2-Methylphenol	<190		190	61	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
4,6-Dinitro-2-methylphenol	<380		380	300	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Anthracene	<38		38	6.3	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Benzo[a]anthracene	**7.5**	**J**	38	5.1	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Benzo[a]pyrene	**32**	**J**	38	7.3	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Benzo[b]fluoranthene	**25**	**J**	38	8.2	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Benzo[g,h,i]perylene	**16**	**J**	38	12	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Benzo[k]fluoranthene	**15**	**J**	38	11	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Carbazole	<190		190	98	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Chrysene	<38		38	10	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Dibenz(a,h)anthracene	**21**	**J**	38	7.3	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Dibenzofuran	<190		190	44	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Fluoranthene	**9.9**	**J**	38	7.0	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Fluorene	<38		38	5.3	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Hexachlorobenzene	<76		76	8.8	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Hexachloroethane	<190		190	58	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: IP-21(0-4)-033114
Date Collected: 03/31/14 13:55
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-17
Matrix: Solid
Percent Solids: 82.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	22	J	38	9.8	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Isophorone	<190		190	43	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Naphthalene	<38		38	5.8	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Phenol	<190		190	84	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1
Pyrene	11	J	38	7.5	ug/Kg	☼	04/01/14 06:56	04/07/14 14:48	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*89*		*35 - 137*	*04/01/14 06:56*	*04/07/14 14:48*	*1*
2-Fluorobiphenyl	*64*		*25 - 119*	*04/01/14 06:56*	*04/07/14 14:48*	*1*
2-Fluorophenol	*67*		*25 - 110*	*04/01/14 06:56*	*04/07/14 14:48*	*1*
Nitrobenzene-d5	*59*		*25 - 115*	*04/01/14 06:56*	*04/07/14 14:48*	*1*
Phenol-d5	*69*		*31 - 110*	*04/01/14 06:56*	*04/07/14 14:48*	*1*
Terphenyl-d14	*123*		*36 - 134*	*04/01/14 06:56*	*04/07/14 14:48*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 18:03	1
Barium	0.45	J	0.50	0.050	mg/L		04/03/14 08:15	04/03/14 18:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/14 08:15	04/03/14 18:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/14 08:15	04/03/14 18:03	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 18:03	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 18:03	1
Copper	0.029		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 18:03	1
Iron	<0.20		0.20	0.20	mg/L		04/03/14 08:15	04/03/14 18:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/14 08:15	04/03/14 18:03	1
Manganese	0.72		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 18:03	1
Nickel	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 18:03	1
Selenium	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 18:03	1
Silver	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 18:03	1
Zinc	0.12		0.10	0.020	mg/L		04/03/14 08:15	04/03/14 18:03	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.044	J	0.050	0.010	mg/L		04/02/14 09:15	04/03/14 14:50	1
Barium	0.37	J B	0.50	0.050	mg/L		04/02/14 09:15	04/03/14 14:50	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/02/14 09:15	04/03/14 14:50	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/02/14 09:15	04/03/14 14:50	1
Chromium	0.094		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:50	1
Cobalt	0.030		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:50	1
Copper	0.11	B	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:50	1
Iron	77		0.20	0.20	mg/L		04/02/14 09:15	04/03/14 14:50	1
Lead	0.046		0.0075	0.0075	mg/L		04/02/14 09:15	04/03/14 14:50	1
Manganese	0.69		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:50	1
Nickel	0.081		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:50	1
Selenium	<0.050		0.050	0.010	mg/L		04/02/14 09:15	04/03/14 14:50	1

Client Sample ID: IP-21(0-4)-033114

Date Collected: 03/31/14 13:55
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-17

Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:50	1
Zinc	**0.22**	**B**	0.10	0.020	mg/L		04/02/14 09:15	04/03/14 14:50	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		12	2.3	mg/Kg	☼	04/01/14 09:15	04/01/14 17:30	1
Antimony	<1.2		1.2	0.47	mg/Kg	☼	04/01/14 09:15	04/01/14 17:30	1
Arsenic	**6.9**		0.58	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 17:30	1
Barium	**48**		0.58	0.062	mg/Kg	☼	04/01/14 09:15	04/01/14 17:30	1
Beryllium	**0.60**		0.23	0.046	mg/Kg	☼	04/01/14 09:15	04/01/14 17:30	1
Cadmium	**0.39**		0.12	0.015	mg/Kg	☼	04/01/14 09:15	04/01/14 17:30	1
Calcium	**4900**	**B**	12	3.1	mg/Kg	☼	04/01/14 09:15	04/01/14 17:30	1
Chromium	**16**		0.58	0.067	mg/Kg	☼	04/01/14 09:15	04/01/14 17:30	1
Cobalt	**6.2**		0.29	0.058	mg/Kg	☼	04/01/14 09:15	04/01/14 17:30	1
Copper	**17**	**B**	0.58	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 17:30	1
Iron	**14000**	**B**	12	4.8	mg/Kg	☼	04/01/14 09:15	04/01/14 17:30	1
Lead	**22**	**B**	0.29	0.087	mg/Kg	☼	04/01/14 09:15	04/01/14 17:30	1
Magnesium	**4200**	**B**	5.8	1.2	mg/Kg	☼	04/01/14 09:15	04/01/14 17:30	1
Manganese	**180**		0.58	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 17:30	1
Nickel	**17**		0.58	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 17:30	1
Potassium	**1400**		29	1.7	mg/Kg	☼	04/01/14 09:15	04/01/14 17:30	1
Selenium	**0.64**		0.58	0.21	mg/Kg	☼	04/01/14 09:15	04/01/14 17:30	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	04/01/14 09:15	04/01/14 17:30	1
Sodium	**1200**		58	7.8	mg/Kg	☼	04/01/14 09:15	04/01/14 17:30	1
Thallium	<0.58		0.58	0.25	mg/Kg	☼	04/01/14 09:15	04/01/14 17:30	1
Vanadium	**23**		0.29	0.043	mg/Kg	☼	04/01/14 09:15	04/01/14 17:30	1
Zinc	**38**		1.2	0.23	mg/Kg	☼	04/01/14 09:15	04/01/14 17:30	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/03/14 13:10	04/04/14 11:06	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.12**	**J**	0.20	0.020	ug/L		04/02/14 15:00	04/03/14 09:31	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**32**		18	7.0	ug/Kg	☼	04/01/14 14:20	04/02/14 10:09	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.20**		0.200	0.200	SU			04/06/14 12:04	1

Client Sample ID: IP-20(0-4)-033114
Date Collected: 03/31/14 14:10
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-18
Matrix: Solid
Percent Solids: 85.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		04/01/14 17:52	1
Benzene	<5.8		5.8	0.80	ug/Kg	☼		04/01/14 17:52	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/01/14 17:52	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		04/01/14 17:52	1
Bromomethane	<5.8	*	5.8	1.8	ug/Kg	☼		04/01/14 17:52	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		04/01/14 17:52	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		04/01/14 17:52	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		04/01/14 17:52	1
Chloroethane	<5.8	*	5.8	1.6	ug/Kg	☼		04/01/14 17:52	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		04/01/14 17:52	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		04/01/14 17:52	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		04/01/14 17:52	1
cis-1,3-Dichloropropene	<5.8		5.8	0.77	ug/Kg	☼		04/01/14 17:52	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/01/14 17:52	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		04/01/14 17:52	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		04/01/14 17:52	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		04/01/14 17:52	1
1,2-Dichloropropane	<5.8		5.8	0.89	ug/Kg	☼		04/01/14 17:52	1
1,3-Dichloropropene, Total	<5.8		5.8	0.77	ug/Kg	☼		04/01/14 17:52	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		04/01/14 17:52	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		04/01/14 17:52	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		04/01/14 17:52	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		04/01/14 17:52	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		04/01/14 17:52	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		04/01/14 17:52	1
Styrene	<5.8		5.8	0.77	ug/Kg	☼		04/01/14 17:52	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		04/01/14 17:52	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		04/01/14 17:52	1
Toluene	<5.8		5.8	0.82	ug/Kg	☼		04/01/14 17:52	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		04/01/14 17:52	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		04/01/14 17:52	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		04/01/14 17:52	1
1,1,2-Trichloroethane	<5.8		5.8	0.80	ug/Kg	☼		04/01/14 17:52	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		04/01/14 17:52	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		04/01/14 17:52	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/01/14 17:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 122*		*04/01/14 17:52*	*1*
Dibromofluoromethane	*117*		*75 - 120*		*04/01/14 17:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*		*04/01/14 17:52*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*04/01/14 17:52*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<970		970	210	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
1,2-Dichlorobenzene	<970		970	230	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
1,3-Dichlorobenzene	<970		970	220	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
1,4-Dichlorobenzene	<970		970	250	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
2,2'-oxybis[1-chloropropane]	<970		970	220	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: IP-20(0-4)-033114
Date Collected: 03/31/14 14:10
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-18
Matrix: Solid
Percent Solids: 85.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<1900		1900	440	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
2,4,6-Trichlorophenol	<1900		1900	660	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
2,4-Dichlorophenol	<1900		1900	460	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
2,4-Dimethylphenol	<1900		1900	730	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
2,4-Dinitrophenol	<3900		3900	3400	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
2,4-Dinitrotoluene	<970		970	310	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
2,6-Dinitrotoluene	<970		970	380	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
2-Chloronaphthalene	<970		970	210	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
2-Chlorophenol	<970		970	330	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
2-Methylnaphthalene	<190		190	36	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
2-Methylphenol	<970		970	310	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
2-Nitroaniline	<970		970	260	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
2-Nitrophenol	<1900		1900	460	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
3 & 4 Methylphenol	<970		970	320	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
3,3'-Dichlorobenzidine	<970		970	270	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
3-Nitroaniline	<1900		1900	600	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
4,6-Dinitro-2-methylphenol	<1900		1900	1600	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
4-Bromophenyl phenyl ether	<970		970	260	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
4-Chloro-3-methylphenol	<1900		1900	660	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
4-Chloroaniline	<3900		3900	910	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
4-Chlorophenyl phenyl ether	<970		970	230	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
4-Nitroaniline	<1900		1900	810	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
4-Nitrophenol	<3900		3900	1800	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Acenaphthene	<190		190	35	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Acenaphthylene	<190		190	26	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Anthracene	<190		190	32	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Benzo[a]anthracene	**120**	**J**	190	26	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Benzo[a]pyrene	**230**		190	37	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Benzo[b]fluoranthene	**230**		190	42	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Benzo[g,h,i]perylene	**180**	**J**	190	62	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Benzo[k]fluoranthene	**120**	**J**	190	57	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Bis(2-chloroethoxy)methane	<970		970	200	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Bis(2-chloroethyl)ether	<970		970	290	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Bis(2-ethylhexyl) phthalate	<970		970	350	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Butyl benzyl phthalate	<970		970	370	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Carbazole	<970		970	500	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Chrysene	**150**	**J**	190	53	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Dibenz(a,h)anthracene	**120**	**J**	190	37	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Dibenzofuran	<970		970	230	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Diethyl phthalate	<970		970	330	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Dimethyl phthalate	<970		970	250	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Di-n-butyl phthalate	<970		970	290	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Di-n-octyl phthalate	<970		970	320	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Fluoranthene	**160**	**J**	190	36	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Fluorene	<190		190	27	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Hexachlorobenzene	<390		390	45	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Hexachlorobutadiene	<970		970	300	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Hexachlorocyclopentadiene	<3900		3900	1100	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Hexachloroethane	<970		970	290	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5

Client Sample ID: IP-20(0-4)-033114
Date Collected: 03/31/14 14:10
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-18
Matrix: Solid
Percent Solids: 85.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	160	J	190	50	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Isophorone	<970		970	220	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Naphthalene	<190		190	30	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Nitrobenzene	<190		190	48	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
N-Nitrosodi-n-propylamine	<970		970	240	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
N-Nitrosodiphenylamine	<970		970	230	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Pentachlorophenol	<3900		3900	3100	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Phenanthrene	66	J	190	27	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Phenol	<970		970	430	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5
Pyrene	190		190	38	ug/Kg	☼	04/01/14 06:56	04/07/14 15:06	5

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*88*		*35 - 137*	*04/01/14 06:56*	*04/07/14 15:06*	*5*
2-Fluorobiphenyl	*69*		*25 - 119*	*04/01/14 06:56*	*04/07/14 15:06*	*5*
2-Fluorophenol	*68*		*25 - 110*	*04/01/14 06:56*	*04/07/14 15:06*	*5*
Nitrobenzene-d5	*68*		*25 - 115*	*04/01/14 06:56*	*04/07/14 15:06*	*5*
Phenol-d5	*58*		*31 - 110*	*04/01/14 06:56*	*04/07/14 15:06*	*5*
Terphenyl-d14	*125*		*36 - 134*	*04/01/14 06:56*	*04/07/14 15:06*	*5*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 18:09	1
Barium	0.40	J	0.50	0.050	mg/L		04/03/14 08:15	04/03/14 18:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/14 08:15	04/03/14 18:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/14 08:15	04/03/14 18:09	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 18:09	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 18:09	1
Copper	0.034		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 18:09	1
Iron	<0.20		0.20	0.20	mg/L		04/03/14 08:15	04/03/14 18:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/03/14 08:15	04/03/14 18:09	1
Manganese	0.46		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 18:09	1
Nickel	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 18:09	1
Selenium	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 18:09	1
Silver	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 18:09	1
Zinc	0.11		0.10	0.020	mg/L		04/03/14 08:15	04/03/14 18:09	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.036	J	0.050	0.010	mg/L		04/02/14 09:15	04/03/14 14:56	1
Barium	0.29	J B	0.50	0.050	mg/L		04/02/14 09:15	04/03/14 14:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/02/14 09:15	04/03/14 14:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/02/14 09:15	04/03/14 14:56	1
Chromium	0.059		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:56	1
Cobalt	0.021	J	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:56	1
Copper	0.081	B	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:56	1
Iron	64		0.20	0.20	mg/L		04/02/14 09:15	04/03/14 14:56	1
Lead	0.063		0.0075	0.0075	mg/L		04/02/14 09:15	04/03/14 14:56	1
Manganese	0.27		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:56	1
Nickel	0.068		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:56	1
Selenium	<0.050		0.050	0.010	mg/L		04/02/14 09:15	04/03/14 14:56	1

Client Sample ID: IP-20(0-4)-033114
Date Collected: 03/31/14 14:10
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-18
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:56	1
Zinc	**0.29**	**B**	0.10	0.020	mg/L		04/02/14 09:15	04/03/14 14:56	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9200**		11	2.2	mg/Kg	☼	04/01/14 09:15	04/01/14 17:36	1
Antimony	<1.1		1.1	0.44	mg/Kg	☼	04/01/14 09:15	04/01/14 17:36	1
Arsenic	**7.6**		0.55	0.11	mg/Kg	☼	04/01/14 09:15	04/01/14 17:36	1
Barium	**54**		0.55	0.059	mg/Kg	☼	04/01/14 09:15	04/01/14 17:36	1
Beryllium	**0.49**		0.22	0.044	mg/Kg	☼	04/01/14 09:15	04/01/14 17:36	1
Cadmium	**0.77**		0.11	0.014	mg/Kg	☼	04/01/14 09:15	04/01/14 17:36	1
Calcium	**52000**	**B**	11	3.0	mg/Kg	☼	04/01/14 09:15	04/01/14 17:36	1
Chromium	**14**		0.55	0.064	mg/Kg	☼	04/01/14 09:15	04/01/14 17:36	1
Cobalt	**9.5**		0.28	0.055	mg/Kg	☼	04/01/14 09:15	04/01/14 17:36	1
Copper	**24**	**B**	0.55	0.11	mg/Kg	☼	04/01/14 09:15	04/01/14 17:36	1
Iron	**15000**	**B**	11	4.5	mg/Kg	☼	04/01/14 09:15	04/01/14 17:36	1
Lead	**25**	**B**	0.28	0.082	mg/Kg	☼	04/01/14 09:15	04/01/14 17:36	1
Magnesium	**31000**	**B**	5.5	1.1	mg/Kg	☼	04/01/14 09:15	04/01/14 17:36	1
Manganese	**360**		0.55	0.11	mg/Kg	☼	04/01/14 09:15	04/01/14 17:36	1
Nickel	**19**		0.55	0.11	mg/Kg	☼	04/01/14 09:15	04/01/14 17:36	1
Potassium	**2000**		28	1.7	mg/Kg	☼	04/01/14 09:15	04/01/14 17:36	1
Selenium	<0.55		0.55	0.20	mg/Kg	☼	04/01/14 09:15	04/01/14 17:36	1
Silver	**0.033**	**J**	0.28	0.020	mg/Kg	☼	04/01/14 09:15	04/01/14 17:36	1
Sodium	**310**		55	7.4	mg/Kg	☼	04/01/14 09:15	04/01/14 17:36	1
Thallium	**0.40**	**J**	0.55	0.23	mg/Kg	☼	04/01/14 09:15	04/01/14 17:36	1
Vanadium	**19**		0.28	0.041	mg/Kg	☼	04/01/14 09:15	04/01/14 17:36	1
Zinc	**50**		1.1	0.22	mg/Kg	☼	04/01/14 09:15	04/01/14 17:36	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/03/14 13:10	04/04/14 11:12	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.097**	**J**	0.20	0.020	ug/L		04/02/14 15:00	04/03/14 09:33	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**39**		19	7.6	ug/Kg	☼	04/01/14 14:20	04/02/14 10:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.44**		0.200	0.200	SU			04/06/14 12:06	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: IP-19(0-4)-033114
Date Collected: 03/31/14 14:35
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-19
Matrix: Solid
Percent Solids: 82.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	8.8		6.1	2.6	ug/Kg	☼		04/01/14 18:15	1
Benzene	<6.1		6.1	0.83	ug/Kg	☼		04/01/14 18:15	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		04/01/14 18:15	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		04/01/14 18:15	1
Bromomethane	<6.1	*	6.1	1.8	ug/Kg	☼		04/01/14 18:15	1
Carbon disulfide	<6.1		6.1	0.91	ug/Kg	☼		04/01/14 18:15	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		04/01/14 18:15	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		04/01/14 18:15	1
Chloroethane	<6.1	*	6.1	1.7	ug/Kg	☼		04/01/14 18:15	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		04/01/14 18:15	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		04/01/14 18:15	1
cis-1,2-Dichloroethene	<6.1		6.1	0.86	ug/Kg	☼		04/01/14 18:15	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		04/01/14 18:15	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		04/01/14 18:15	1
1,1-Dichloroethane	<6.1		6.1	0.96	ug/Kg	☼		04/01/14 18:15	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		04/01/14 18:15	1
1,1-Dichloroethene	<6.1		6.1	0.98	ug/Kg	☼		04/01/14 18:15	1
1,2-Dichloropropane	<6.1		6.1	0.92	ug/Kg	☼		04/01/14 18:15	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		04/01/14 18:15	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		04/01/14 18:15	1
2-Hexanone	<6.1		6.1	1.8	ug/Kg	☼		04/01/14 18:15	1
Methylene Chloride	<6.1		6.1	1.6	ug/Kg	☼		04/01/14 18:15	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		04/01/14 18:15	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		04/01/14 18:15	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		04/01/14 18:15	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		04/01/14 18:15	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		04/01/14 18:15	1
Tetrachloroethene	<6.1		6.1	0.93	ug/Kg	☼		04/01/14 18:15	1
Toluene	<6.1		6.1	0.85	ug/Kg	☼		04/01/14 18:15	1
trans-1,2-Dichloroethene	<6.1		6.1	0.84	ug/Kg	☼		04/01/14 18:15	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		04/01/14 18:15	1
1,1,1-Trichloroethane	<6.1		6.1	0.91	ug/Kg	☼		04/01/14 18:15	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		04/01/14 18:15	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		04/01/14 18:15	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		04/01/14 18:15	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		04/01/14 18:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 122*		*04/01/14 18:15*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*04/01/14 18:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*04/01/14 18:15*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*04/01/14 18:15*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: IP-19(0-4)-033114
Date Collected: 03/31/14 14:35
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-19
Matrix: Solid
Percent Solids: 82.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
2-Methylnaphthalene	<39		39	7.2	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
2-Methylphenol	<200		200	63	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
4,6-Dinitro-2-methylphenol	<390		390	310	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Anthracene	<39		39	6.5	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Benzo[a]anthracene	**57**		39	5.3	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Benzo[a]pyrene	**71**		39	7.6	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Benzo[b]fluoranthene	**95**		39	8.4	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Benzo[g,h,i]perylene	**41**		39	13	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Benzo[k]fluoranthene	**55**		39	12	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Carbazole	<200		200	100	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Chrysene	**84**		39	11	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Dibenz(a,h)anthracene	**26**	**J**	39	7.6	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Dibenzofuran	<200		200	46	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Fluoranthene	**92**		39	7.3	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Fluorene	<39		39	5.5	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Hexachloroethane	<200		200	59	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1

Client Sample ID: IP-19(0-4)-033114
Date Collected: 03/31/14 14:35
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-19
Matrix: Solid
Percent Solids: 82.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	39		39	10	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Isophorone	<200		200	44	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Naphthalene	<39		39	6.0	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Phenanthrene	37	J	39	5.4	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Phenol	<200		200	87	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1
Pyrene	130		39	7.8	ug/Kg	☼	04/01/14 06:56	04/07/14 15:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*84*		*35 - 137*	*04/01/14 06:56*	*04/07/14 15:24*	*1*
2-Fluorobiphenyl	*72*		*25 - 119*	*04/01/14 06:56*	*04/07/14 15:24*	*1*
2-Fluorophenol	*69*		*25 - 110*	*04/01/14 06:56*	*04/07/14 15:24*	*1*
Nitrobenzene-d5	*68*		*25 - 115*	*04/01/14 06:56*	*04/07/14 15:24*	*1*
Phenol-d5	*71*		*31 - 110*	*04/01/14 06:56*	*04/07/14 15:24*	*1*
Terphenyl-d14	*193*	*X*	*36 - 134*	*04/01/14 06:56*	*04/07/14 15:24*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 18:30	1
Barium	0.39	J	0.50	0.050	mg/L		04/03/14 08:15	04/03/14 18:30	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/14 08:15	04/03/14 18:30	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		04/03/14 08:15	04/03/14 18:30	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 18:30	1
Cobalt	0.010	J	0.025	0.010	mg/L		04/03/14 08:15	04/03/14 18:30	1
Copper	0.073		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 18:30	1
Iron	<0.20		0.20	0.20	mg/L		04/03/14 08:15	04/03/14 18:30	1
Lead	0.024		0.0075	0.0075	mg/L		04/03/14 08:15	04/03/14 18:30	1
Manganese	1.9		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 18:30	1
Nickel	0.011	J	0.025	0.010	mg/L		04/03/14 08:15	04/03/14 18:30	1
Selenium	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 18:30	1
Silver	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 18:30	1
Zinc	0.29		0.10	0.020	mg/L		04/03/14 08:15	04/03/14 18:30	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.024	J	0.050	0.010	mg/L		04/02/14 09:15	04/03/14 15:02	1
Barium	0.39	J B	0.50	0.050	mg/L		04/02/14 09:15	04/03/14 15:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/02/14 09:15	04/03/14 15:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/02/14 09:15	04/03/14 15:02	1
Chromium	0.069		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 15:02	1
Cobalt	0.020	J	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 15:02	1
Copper	0.13	B	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 15:02	1
Iron	68		0.20	0.20	mg/L		04/02/14 09:15	04/03/14 15:02	1
Lead	0.092		0.0075	0.0075	mg/L		04/02/14 09:15	04/03/14 15:02	1
Manganese	0.43		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 15:02	1
Nickel	0.069		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 15:02	1
Selenium	<0.050		0.050	0.010	mg/L		04/02/14 09:15	04/03/14 15:02	1

Client Sample ID: IP-19(0-4)-033114

Date Collected: 03/31/14 14:35
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-19

Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 15:02	1
Zinc	**0.29**	**B**	0.10	0.020	mg/L		04/02/14 09:15	04/03/14 15:02	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**10000**		12	2.3	mg/Kg	☼	04/01/14 09:15	04/01/14 17:42	1
Antimony	<1.2		1.2	0.47	mg/Kg	☼	04/01/14 09:15	04/01/14 17:42	1
Arsenic	**8.5**		0.58	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 17:42	1
Barium	**59**		0.58	0.062	mg/Kg	☼	04/01/14 09:15	04/01/14 17:42	1
Beryllium	**0.55**		0.23	0.047	mg/Kg	☼	04/01/14 09:15	04/01/14 17:42	1
Cadmium	**0.61**		0.12	0.015	mg/Kg	☼	04/01/14 09:15	04/01/14 17:42	1
Calcium	**13000**	**B**	12	3.2	mg/Kg	☼	04/01/14 09:15	04/01/14 17:42	1
Chromium	**14**		0.58	0.068	mg/Kg	☼	04/01/14 09:15	04/01/14 17:42	1
Cobalt	**8.1**		0.29	0.058	mg/Kg	☼	04/01/14 09:15	04/01/14 17:42	1
Copper	**30**	**B**	0.58	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 17:42	1
Iron	**17000**	**B**	12	4.8	mg/Kg	☼	04/01/14 09:15	04/01/14 17:42	1
Lead	**26**	**B**	0.29	0.087	mg/Kg	☼	04/01/14 09:15	04/01/14 17:42	1
Magnesium	**9300**	**B**	5.8	1.2	mg/Kg	☼	04/01/14 09:15	04/01/14 17:42	1
Manganese	**260**		0.58	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 17:42	1
Nickel	**22**		0.58	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 17:42	1
Potassium	**1300**		29	1.8	mg/Kg	☼	04/01/14 09:15	04/01/14 17:42	1
Selenium	**0.49**	**J**	0.58	0.21	mg/Kg	☼	04/01/14 09:15	04/01/14 17:42	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	04/01/14 09:15	04/01/14 17:42	1
Sodium	**2000**		58	7.8	mg/Kg	☼	04/01/14 09:15	04/01/14 17:42	1
Thallium	**0.43**	**J**	0.58	0.25	mg/Kg	☼	04/01/14 09:15	04/01/14 17:42	1
Vanadium	**20**		0.29	0.043	mg/Kg	☼	04/01/14 09:15	04/01/14 17:42	1
Zinc	**47**		1.2	0.24	mg/Kg	☼	04/01/14 09:15	04/01/14 17:42	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/03/14 13:10	04/04/14 11:14	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.098**	**J**	0.20	0.020	ug/L		04/02/14 15:00	04/03/14 09:35	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**44**		19	7.3	ug/Kg	☼	04/01/14 14:20	04/02/14 10:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.06**		0.200	0.200	SU			04/06/14 12:08	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: IP-18(0-4)-033114
Date Collected: 03/31/14 14:45
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-20
Matrix: Solid
Percent Solids: 84.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.5	ug/Kg	☼		04/01/14 18:38	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		04/01/14 18:38	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/01/14 18:38	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		04/01/14 18:38	1
Bromomethane	<5.9	*	5.9	1.8	ug/Kg	☼		04/01/14 18:38	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	☼		04/01/14 18:38	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		04/01/14 18:38	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		04/01/14 18:38	1
Chloroethane	<5.9	*	5.9	1.6	ug/Kg	☼		04/01/14 18:38	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		04/01/14 18:38	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		04/01/14 18:38	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	☼		04/01/14 18:38	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	☼		04/01/14 18:38	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/01/14 18:38	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		04/01/14 18:38	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		04/01/14 18:38	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		04/01/14 18:38	1
1,2-Dichloropropane	<5.9		5.9	0.89	ug/Kg	☼		04/01/14 18:38	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	☼		04/01/14 18:38	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		04/01/14 18:38	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		04/01/14 18:38	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		04/01/14 18:38	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		04/01/14 18:38	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		04/01/14 18:38	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	☼		04/01/14 18:38	1
Styrene	<5.9		5.9	0.77	ug/Kg	☼		04/01/14 18:38	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		04/01/14 18:38	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	☼		04/01/14 18:38	1
Toluene	<5.9		5.9	0.82	ug/Kg	☼		04/01/14 18:38	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		04/01/14 18:38	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		04/01/14 18:38	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/01/14 18:38	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	☼		04/01/14 18:38	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		04/01/14 18:38	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		04/01/14 18:38	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/01/14 18:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 122*		*04/01/14 18:38*	*1*
Dibromofluoromethane	*115*		*75 - 120*		*04/01/14 18:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 134*		*04/01/14 18:38*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*04/01/14 18:38*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: IP-18(0-4)-033114
Date Collected: 03/31/14 14:45
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-20
Matrix: Solid
Percent Solids: 84.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
2-Methylphenol	<190		190	62	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Anthracene	**10**	**J**	38	6.4	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Benzo[a]anthracene	**80**		38	5.2	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Benzo[a]pyrene	**89**		38	7.5	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Benzo[b]fluoranthene	**130**		38	8.3	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Benzo[g,h,i]perylene	**56**		38	12	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Benzo[k]fluoranthene	**68**		38	11	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Carbazole	<190		190	100	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Chrysene	**130**		38	11	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Dibenz(a,h)anthracene	**29**	**J**	38	7.5	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Dibenzofuran	<190		190	45	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Fluoranthene	**130**		38	7.2	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Fluorene	<38		38	5.4	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Hexachloroethane	<190		190	59	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: IP-18(0-4)-033114
Date Collected: 03/31/14 14:45
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-20
Matrix: Solid
Percent Solids: 84.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	49		38	10	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Isophorone	<190		190	43	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Naphthalene	<38		38	5.9	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Phenanthrene	68		38	5.4	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Phenol	<190		190	86	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1
Pyrene	180		38	7.7	ug/Kg	☼	04/01/14 06:56	04/07/14 15:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*77*		*35 - 137*	*04/01/14 06:56*	*04/07/14 15:43*	*1*
2-Fluorobiphenyl	*58*		*25 - 119*	*04/01/14 06:56*	*04/07/14 15:43*	*1*
2-Fluorophenol	*56*		*25 - 110*	*04/01/14 06:56*	*04/07/14 15:43*	*1*
Nitrobenzene-d5	*59*		*25 - 115*	*04/01/14 06:56*	*04/07/14 15:43*	*1*
Phenol-d5	*58*		*31 - 110*	*04/01/14 06:56*	*04/07/14 15:43*	*1*
Terphenyl-d14	*181*	*X*	*36 - 134*	*04/01/14 06:56*	*04/07/14 15:43*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 18:36	1
Barium	0.43	J	0.50	0.050	mg/L		04/03/14 08:15	04/03/14 18:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/14 08:15	04/03/14 18:36	1
Cadmium	0.0032	J	0.0050	0.0020	mg/L		04/03/14 08:15	04/03/14 18:36	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 18:36	1
Cobalt	0.044		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 18:36	1
Copper	0.015	J	0.025	0.010	mg/L		04/03/14 08:15	04/03/14 18:36	1
Iron	<0.20		0.20	0.20	mg/L		04/03/14 08:15	04/03/14 18:36	1
Lead	0.040		0.0075	0.0075	mg/L		04/03/14 08:15	04/03/14 18:36	1
Manganese	4.5		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 18:36	1
Nickel	0.038		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 18:36	1
Selenium	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 18:36	1
Silver	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 18:36	1
Zinc	0.077	J	0.10	0.020	mg/L		04/03/14 08:15	04/03/14 18:36	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.046	J	0.050	0.010	mg/L		04/02/14 09:15	04/03/14 15:08	1
Barium	0.51	B	0.50	0.050	mg/L		04/02/14 09:15	04/03/14 15:08	1
Beryllium	0.0046		0.0040	0.0040	mg/L		04/02/14 09:15	04/03/14 15:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/02/14 09:15	04/03/14 15:08	1
Chromium	0.12		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 15:08	1
Cobalt	0.040		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 15:08	1
Copper	0.18	B	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 15:08	1
Iron	120		0.20	0.20	mg/L		04/02/14 09:15	04/03/14 15:08	1
Lead	0.23		0.0075	0.0075	mg/L		04/02/14 09:15	04/03/14 15:08	1
Manganese	0.68		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 15:08	1
Nickel	0.13		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 15:08	1
Selenium	<0.050		0.050	0.010	mg/L		04/02/14 09:15	04/03/14 15:08	1

Client Sample ID: IP-18(0-4)-033114
Date Collected: 03/31/14 14:45
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-20
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 15:08	1
Zinc	**0.44**	**B**	0.10	0.020	mg/L		04/02/14 09:15	04/03/14 15:08	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**11000**		12	2.3	mg/Kg	☼	04/01/14 09:15	04/01/14 17:49	1
Antimony	<1.2		1.2	0.46	mg/Kg	☼	04/01/14 09:15	04/01/14 17:49	1
Arsenic	**8.6**		0.58	0.11	mg/Kg	☼	04/01/14 09:15	04/01/14 17:49	1
Barium	**67**		0.58	0.062	mg/Kg	☼	04/01/14 09:15	04/01/14 17:49	1
Beryllium	**0.57**		0.23	0.046	mg/Kg	☼	04/01/14 09:15	04/01/14 17:49	1
Cadmium	**0.90**		0.12	0.015	mg/Kg	☼	04/01/14 09:15	04/01/14 17:49	1
Calcium	**38000**	**B**	12	3.1	mg/Kg	☼	04/01/14 09:15	04/01/14 17:49	1
Chromium	**18**		0.58	0.067	mg/Kg	☼	04/01/14 09:15	04/01/14 17:49	1
Cobalt	**8.5**		0.29	0.058	mg/Kg	☼	04/01/14 09:15	04/01/14 17:49	1
Copper	**29**	**B**	0.58	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 17:49	1
Iron	**20000**	**B**	12	4.7	mg/Kg	☼	04/01/14 09:15	04/01/14 17:49	1
Lead	**86**	**B**	0.29	0.086	mg/Kg	☼	04/01/14 09:15	04/01/14 17:49	1
Magnesium	**20000**	**B**	5.8	1.2	mg/Kg	☼	04/01/14 09:15	04/01/14 17:49	1
Manganese	**310**		0.58	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 17:49	1
Nickel	**22**		0.58	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 17:49	1
Potassium	**2000**		29	1.7	mg/Kg	☼	04/01/14 09:15	04/01/14 17:49	1
Selenium	<0.58		0.58	0.20	mg/Kg	☼	04/01/14 09:15	04/01/14 17:49	1
Silver	**0.036**	**J**	0.29	0.021	mg/Kg	☼	04/01/14 09:15	04/01/14 17:49	1
Sodium	**1800**		58	7.7	mg/Kg	☼	04/01/14 09:15	04/01/14 17:49	1
Thallium	**0.41**	**J**	0.58	0.24	mg/Kg	☼	04/01/14 09:15	04/01/14 17:49	1
Vanadium	**21**		0.29	0.043	mg/Kg	☼	04/01/14 09:15	04/01/14 17:49	1
Zinc	**67**		1.2	0.23	mg/Kg	☼	04/01/14 09:15	04/01/14 17:49	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/03/14 13:10	04/04/14 11:16	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.15**	**J**	0.20	0.020	ug/L		04/02/14 15:00	04/03/14 09:37	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**29**		18	7.1	ug/Kg	☼	04/01/14 14:20	04/02/14 10:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.78**		0.200	0.200	SU			04/06/14 12:10	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F3	Duplicate RPD exceeds the control limit
F1	MS and/or MSD Recovery exceeds the control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-14 *

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

* Expired certification is currently pending renewal and is considered valid.

TestAmerica

THE LEADER IN ENVIRONMENT

2417 Bond Street, University Park, IL
Phone: 708.534.5200 Fax: 708.5

500-74180 COC

(optional)
Report To
Contact: S. Babusukumar
Company: Weston
Address: 750 E. Bunker Court Suite 500
Address: Vernon Hills, IL, 60061
Phone: 847-918-4018
Fax:
E-Mail:

(optional)
Bill To
Contact:
Company:
Address:
Address: SAME
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74180
Chain of Custody Number:
Page 1 of 3
Temperature °C of Cooler: 3.9

Client: Weston
Client Project #:
Project Name: IDOT-050/051
Project Location/State: McCook, IL
Lab Project #:
Sampler: Dan Cukierski
Lab PM:

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
1		RE2-4(0-4)-033114	3/31/14	0850	2	S		X	X	X	X	X					
2		RE2-4(0-4)-033114D	3/31/14	0850	2	S		X	X	X	X	X					
3		RE2-3(0-4)-033114	3/31/14	0910	2	S		X	X	X	X	X					
4		RE2-1(0-2)-033114	3/31/14	1000	2	S		X	X	X	X	X					
5		RE2-2(0-4)-033114	3/31/14	1010	2	S		X	X	X	X	X					
6		JE-1(0-3.5)-033114	3/31/14	1035	2	S		X	X	X	X	X					
7		JE-2(0-2.5)-033114	3/31/14	1050	2	S		X	X	X	X	X					
8	DC	~~RE3~~ RE4-1(0-3.5)-033114	3/31/14	1110	2	S		X	X	X	X	X					
9		RE4-2(0-3)-033114	3/31/14	1120	2	S		X	X	X	X	X					
10		RE4-3(0-2)-033114	3/31/14	1140	2	S		X	X	X	X	X					

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days standard Other
Requested Due Date

Sample Disposal
☐ Return to Client ☒ Disposal by Lab ☐ Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	3/31/14	1520		TA	3/31/14	1520
	TA	3/31/14	1630		TA	4/1/14	0600

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)

Report To
Contact: S. Babusukumar
Company: Weston
Address: 750 E Bunker Court Suite 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax:
E-Mail:

(optional)

Bill To
Contact:
Company: SAMB
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74180

Chain of Custody Number:

Page 2 of 3

Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT-050-051
Project Location/State: McCook, IL
Lab Project #:
Sampler: Dan Cukierski
Lab PM:

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Total Aluminum	RCRA			Comments
11		RB4-3(0-2)-033114D	3/31/14	1140	2	S		X	X	X	X	X					
12		RB4-8(0-4)-033114	3/31/14	1210	2	S		X	X	X	X	X					
13		RB4-7(0-4)-033114	3/31/14	1225	2	S		X	X	X	X	X					
14		ID-4(0-4)-033114	3/31/14	1255	2	S		X	X	X	X	X					
15		IP-23(0-2)-033114	3/31/14	1330	2	S		X	X	X	X	X	X				
16		IP-22(0-4)-033114	3/31/14	1345	2	S		X	X	X	X	X	X				
17		IP-21(0-4)-033114	3/31/14	1355	2	S		X	X	X	X	X	X				
18		IP-20(0-4)-033114	3/31/14	1410	2	S		X	X	X	X	X	X				
19		IP-19(0-4)-033114	3/31/14	1435	2	S		X	X	X	X	X	X				
20		IP-18(0-4)-033114	3/31/14	1445	2	S		X	X	X	X	X	X				

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date:

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ____ Months (A fee may be assessed if samples are retained longer than 1 month)

	Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1		Weston	3/31/14	1520		TA	3/31/14	1520
2		TA	3/31/14	1630		TA	4/1/14	0600
3								

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-74346-1
Client Project/Site: IDOT - Lyons, McCook, Summit - 050

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar

Authorized for release by:
4/14/2014 11:09:10 AM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74346-1

Client Sample ID: IP-12(0-4)-040214
Date Collected: 04/02/14 09:50
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-6
Matrix: Solid
Percent Solids: 89.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.6		5.6	2.4	ug/Kg	☼		04/03/14 18:06	1
Benzene	<5.6		5.6	0.76	ug/Kg	☼		04/03/14 18:06	1
Bromodichloromethane	<5.6		5.6	0.96	ug/Kg	☼		04/03/14 18:06	1
Bromoform	<5.6		5.6	1.3	ug/Kg	☼		04/03/14 18:06	1
Bromomethane	<5.6		5.6	1.7	ug/Kg	☼		04/03/14 18:06	1
Carbon disulfide	<5.6		5.6	0.83	ug/Kg	☼		04/03/14 18:06	1
Carbon tetrachloride	<5.6		5.6	1.0	ug/Kg	☼		04/03/14 18:06	1
Chlorobenzene	<5.6		5.6	0.57	ug/Kg	☼		04/03/14 18:06	1
Chloroethane	<5.6		5.6	1.5	ug/Kg	☼		04/03/14 18:06	1
Chloroform	<5.6		5.6	0.64	ug/Kg	☼		04/03/14 18:06	1
Chloromethane	<5.6		5.6	1.2	ug/Kg	☼		04/03/14 18:06	1
cis-1,2-Dichloroethene	<5.6		5.6	0.79	ug/Kg	☼		04/03/14 18:06	1
cis-1,3-Dichloropropene	<5.6		5.6	0.73	ug/Kg	☼		04/03/14 18:06	1
Dibromochloromethane	<5.6		5.6	0.97	ug/Kg	☼		04/03/14 18:06	1
1,1-Dichloroethane	<5.6		5.6	0.88	ug/Kg	☼		04/03/14 18:06	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	☼		04/03/14 18:06	1
1,1-Dichloroethene	<5.6		5.6	0.90	ug/Kg	☼		04/03/14 18:06	1
1,2-Dichloropropane	<5.6		5.6	0.85	ug/Kg	☼		04/03/14 18:06	1
1,3-Dichloropropene, Total	<5.6		5.6	0.73	ug/Kg	☼		04/03/14 18:06	1
Ethylbenzene	<5.6		5.6	1.1	ug/Kg	☼		04/03/14 18:06	1
2-Hexanone	<5.6		5.6	1.6	ug/Kg	☼		04/03/14 18:06	1
Methylene Chloride	<5.6		5.6	1.5	ug/Kg	☼		04/03/14 18:06	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		04/03/14 18:06	1
methyl isobutyl ketone	<5.6		5.6	1.5	ug/Kg	☼		04/03/14 18:06	1
Methyl tert-butyl ether	<5.6		5.6	0.92	ug/Kg	☼		04/03/14 18:06	1
Styrene	<5.6		5.6	0.73	ug/Kg	☼		04/03/14 18:06	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	1.1	ug/Kg	☼		04/03/14 18:06	1
Tetrachloroethene	<5.6		5.6	0.85	ug/Kg	☼		04/03/14 18:06	1
Toluene	<5.6		5.6	0.78	ug/Kg	☼		04/03/14 18:06	1
trans-1,2-Dichloroethene	<5.6		5.6	0.77	ug/Kg	☼		04/03/14 18:06	1
trans-1,3-Dichloropropene	<5.6		5.6	1.0	ug/Kg	☼		04/03/14 18:06	1
1,1,1-Trichloroethane	<5.6		5.6	0.83	ug/Kg	☼		04/03/14 18:06	1
1,1,2-Trichloroethane	<5.6		5.6	0.76	ug/Kg	☼		04/03/14 18:06	1
Trichloroethene	<5.6		5.6	0.92	ug/Kg	☼		04/03/14 18:06	1
Vinyl chloride	<5.6		5.6	1.2	ug/Kg	☼		04/03/14 18:06	1
Xylenes, Total	<11		11	0.51	ug/Kg	☼		04/03/14 18:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 122*		*04/03/14 18:06*	*1*
Dibromofluoromethane	*113*		*75 - 120*		*04/03/14 18:06*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*04/03/14 18:06*	*1*
Toluene-d8 (Surr)	*95*		*75 - 122*		*04/03/14 18:06*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1

Client Sample ID: IP-12(0-4)-040214
Date Collected: 04/02/14 09:50
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-6
Matrix: Solid
Percent Solids: 89.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
2,4-Dinitrophenol	<730		730	630	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
2-Methylnaphthalene	**190**		36	6.6	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
2-Methylphenol	<180		180	58	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Acenaphthene	**15**	**J**	36	6.5	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Acenaphthylene	**20**	**J**	36	4.7	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Anthracene	**44**		36	6.0	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Benzo[a]anthracene	**130**		36	4.8	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Benzo[a]pyrene	**120**		36	7.0	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Benzo[b]fluoranthene	**170**		36	7.8	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Benzo[g,h,i]perylene	**61**		36	12	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Benzo[k]fluoranthene	**92**		36	11	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Bis(2-ethylhexyl) phthalate	**68**	**J**	180	66	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Carbazole	<180		180	93	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Chrysene	**180**		36	9.8	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Dibenz(a,h)anthracene	<36		36	7.0	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Dibenzofuran	**68**	**J**	180	42	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Fluoranthene	**240**		36	6.7	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Fluorene	**17**	**J**	36	5.1	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Hexachlorobenzene	<73		73	8.3	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Hexachloroethane	<180		180	55	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74346-1

Client Sample ID: IP-12(0-4)-040214
Date Collected: 04/02/14 09:50
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-6
Matrix: Solid
Percent Solids: 89.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<36		36	9.3	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Isophorone	<180		180	40	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Naphthalene	**110**		36	5.5	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Phenanthrene	**370**		36	5.0	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Phenol	<180		180	80	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1
Pyrene	**320**		36	7.2	ug/Kg	☼	04/04/14 17:52	04/07/14 20:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*68*		*35 - 137*	*04/04/14 17:52*	*04/07/14 20:02*	*1*
2-Fluorobiphenyl	*62*		*25 - 119*	*04/04/14 17:52*	*04/07/14 20:02*	*1*
2-Fluorophenol	*49*		*25 - 110*	*04/04/14 17:52*	*04/07/14 20:02*	*1*
Nitrobenzene-d5	*49*		*25 - 115*	*04/04/14 17:52*	*04/07/14 20:02*	*1*
Phenol-d5	*53*		*31 - 110*	*04/04/14 17:52*	*04/07/14 20:02*	*1*
Terphenyl-d14	*89*		*36 - 134*	*04/04/14 17:52*	*04/07/14 20:02*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/08/14 08:30	04/09/14 03:51	1
Barium	**0.49**	**J**	0.50	0.050	mg/L		04/08/14 08:30	04/09/14 03:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/14 08:30	04/09/14 03:51	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/14 08:30	04/09/14 03:51	1
Chromium	<0.025		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 03:51	1
Cobalt	<0.025		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 03:51	1
Copper	**0.011**	**J**	0.025	0.010	mg/L		04/08/14 08:30	04/09/14 03:51	1
Iron	<0.20		0.20	0.20	mg/L		04/08/14 08:30	04/09/14 03:51	1
Lead	**0.16**		0.0075	0.0075	mg/L		04/11/14 08:30	04/11/14 23:35	1
Manganese	**0.40**		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 03:51	1
Nickel	<0.025		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 03:51	1
Selenium	<0.050		0.050	0.010	mg/L		04/08/14 08:30	04/09/14 03:51	1
Silver	<0.025		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 03:51	1
Zinc	**0.16**		0.10	0.020	mg/L		04/08/14 08:30	04/09/14 03:51	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.015**	**J**	0.050	0.010	mg/L		04/08/14 09:00	04/08/14 20:19	1
Barium	**0.67**		0.50	0.050	mg/L		04/08/14 09:00	04/08/14 20:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/14 09:00	04/08/14 20:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/14 09:00	04/08/14 20:19	1
Chromium	**0.028**		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:19	1
Cobalt	<0.025		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:19	1
Copper	**0.042**		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:19	1
Iron	**33**		0.20	0.20	mg/L		04/08/14 09:00	04/08/14 20:19	1
Lead	**0.038**		0.0075	0.0075	mg/L		04/08/14 09:00	04/08/14 20:19	1
Manganese	**0.14**		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:19	1
Nickel	**0.024**	**J**	0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:19	1
Selenium	<0.050		0.050	0.010	mg/L		04/08/14 09:00	04/09/14 21:03	1

Client Sample ID: IP-12(0-4)-040214
Date Collected: 04/02/14 09:50
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-6
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:19	1
Zinc	0.54		0.10	0.020	mg/L		04/08/14 09:00	04/08/14 20:19	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	7800		11	2.1	mg/Kg	☼	04/04/14 09:00	04/05/14 01:22	1
Antimony	0.90	J	1.1	0.43	mg/Kg	☼	04/04/14 09:00	04/05/14 01:22	1
Arsenic	10		0.53	0.11	mg/Kg	☼	04/04/14 09:00	04/05/14 01:22	1
Barium	74		0.53	0.057	mg/Kg	☼	04/04/14 09:00	04/05/14 01:22	1
Beryllium	0.50		0.21	0.043	mg/Kg	☼	04/04/14 09:00	04/05/14 01:22	1
Cadmium	0.95		0.11	0.014	mg/Kg	☼	04/04/14 09:00	04/05/14 01:22	1
Calcium	52000	B	11	2.9	mg/Kg	☼	04/04/14 09:00	04/05/14 01:22	1
Chromium	13		0.53	0.062	mg/Kg	☼	04/04/14 09:00	04/05/14 01:22	1
Cobalt	7.7		0.27	0.053	mg/Kg	☼	04/04/14 09:00	04/05/14 01:22	1
Copper	25		0.53	0.11	mg/Kg	☼	04/04/14 09:00	04/05/14 01:22	1
Iron	21000		11	4.4	mg/Kg	☼	04/04/14 09:00	04/05/14 01:22	1
Lead	57	B	0.27	0.079	mg/Kg	☼	04/04/14 09:00	04/05/14 01:22	1
Magnesium	31000	B	5.3	1.1	mg/Kg	☼	04/04/14 09:00	04/05/14 01:22	1
Manganese	420		0.53	0.11	mg/Kg	☼	04/04/14 09:00	04/05/14 01:22	1
Nickel	18		0.53	0.11	mg/Kg	☼	04/04/14 09:00	04/05/14 01:22	1
Potassium	1500		27	1.6	mg/Kg	☼	04/04/14 09:00	04/05/14 01:22	1
Selenium	<0.53		0.53	0.19	mg/Kg	☼	04/04/14 09:00	04/05/14 01:22	1
Silver	0.062	J	0.27	0.019	mg/Kg	☼	04/04/14 09:00	04/05/14 01:22	1
Sodium	450		53	7.1	mg/Kg	☼	04/04/14 09:00	04/05/14 01:22	1
Thallium	0.29	J	0.53	0.22	mg/Kg	☼	04/04/14 09:00	04/05/14 01:22	1
Vanadium	18		0.27	0.039	mg/Kg	☼	04/04/14 09:00	04/05/14 01:22	1
Zinc	68		1.1	0.22	mg/Kg	☼	04/04/14 09:00	04/05/14 01:22	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.034	J B	0.20	0.020	ug/L		04/08/14 12:50	04/09/14 12:21	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.049	J B	0.20	0.020	ug/L		04/08/14 12:50	04/09/14 13:52	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	57		18	7.2	ug/Kg	☼	04/04/14 13:35	04/07/14 11:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.14		0.200	0.200	SU			04/07/14 13:32	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74346-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENT

2417 Bond Street, University Park, IL
Phone: 708.534.5200 Fax: 708.5

500-74346 COC

(optional)
Report To
Contact: S. Babusukumar
Company: Weston
Address: 750 E. Bunker Ct, Suite500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax:
E-Mail:

(optional)
Bill To
Contact:
Company:
Address: SAME
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74346
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 3.8

Client: Weston
Client Project #:
Project Name: IDOT- 050[redacted]
Project Location/State: McCook IL
Lab Project #:
Sampler: Dan Cukierski
Lab PM:

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SAP Metals	pH	Total Aluminum				Comments
1		RE4-4(0-2)-040214	4/2/14	0820	2	S		X	X	X	X	X					
2		RE4-4(0-2)-040214D	4/2/14	0820	2	S		X	X	X	X	X					
3		RE4-5(0-2)-040214	4/2/14	0830	2	S		X	X	X	X	X					RE4-5(0-2)-040214
4		RE4-6(0-2)-040214	4/2/14	0845	2	S		X	X	X	X	X					
5		171-5(0-4.3)-040214	4/2/14	0915	2	S		X	X	X	X	X					
6		IP-12(0-4)-040214	4/2/14	0950	2	S		X	X	X	X	X	X				
7		IC-2(0-4)-040214	4/2/14	1035	2	S		X	X	X	X	X					
8		IC-2(4-8)-040214	4/2/14	1040	2	S		X	X	X	X	X					
9		IC-6(0-6)-040214	4/2/14	1220	2	S		X	X	X	X	X					
10		IC-6(6-12)-040214	4/2/14	1230	2	S		X	X	X	X	X					

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston	4/2/14	1530	[signature]	TA	4/2/14	1530
[signature]	TA	4/2/14	1625	[signature]	TA-CHI	4/3/14	0630
							0730

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TAL-4124-500 (1209)

4/14/2014

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)
Report To
Contact: S. Babusukumar
Company: Weston
Address: 750 E. Bunker Ct Suite 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax:
E-Mail:

(optional)
Bill To
Contact:
Company:
Address:
Address: SAME
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74346
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler: 3.8

Client: Weston
Client Project #:
Project Name: IDOT-050
Project Location/State: McCook, IL
Lab Project #:
Sampler: Don Cukierski
Lab PM:

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
11		IC-6 (6-12)-040214D	4/2/14	1230	2	S	X	X	X	X	X					
12		IC-1 (0-6)-040214	4/2/14	1240	2	S	X	X	X	X	X					
13		IC-1 (6-12)-040214	4/2/14	1245	2	S	X	X	X	X	X					

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ____ Months (A fee may be assessed if samples are retained longer than 1 month)

	Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1		Weston	4/2/14	1530		TA	4/3/14	1530
2		TA	4/2/14	1625		TA-CHI	4/3/14	0730
3								

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-74264-1
Client Project/Site: IDOT - Lyons, McCook, Summit - 050
Revision: 1

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar

Authorized for release by:
4/22/2014 9:03:29 AM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

Review your project results through TotalAccess

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: IP-13(0-4)-040114
Date Collected: 04/01/14 08:00
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-1
Matrix: Solid
Percent Solids: 88.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.7		5.7	2.4	ug/Kg	☼		04/03/14 13:45	1
Benzene	<5.7		5.7	0.78	ug/Kg	☼		04/03/14 13:45	1
Bromodichloromethane	<5.7		5.7	0.97	ug/Kg	☼		04/03/14 13:45	1
Bromoform	<5.7		5.7	1.3	ug/Kg	☼		04/03/14 13:45	1
Bromomethane	<5.7	*	5.7	1.7	ug/Kg	☼		04/03/14 13:45	1
Carbon disulfide	<5.7		5.7	0.85	ug/Kg	☼		04/03/14 13:45	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	☼		04/03/14 13:45	1
Chlorobenzene	<5.7		5.7	0.57	ug/Kg	☼		04/03/14 13:45	1
Chloroethane	<5.7	*	5.7	1.5	ug/Kg	☼		04/03/14 13:45	1
Chloroform	<5.7		5.7	0.65	ug/Kg	☼		04/03/14 13:45	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	☼		04/03/14 13:45	1
cis-1,2-Dichloroethene	<5.7		5.7	0.80	ug/Kg	☼		04/03/14 13:45	1
cis-1,3-Dichloropropene	<5.7		5.7	0.74	ug/Kg	☼		04/03/14 13:45	1
Dibromochloromethane	<5.7		5.7	0.99	ug/Kg	☼		04/03/14 13:45	1
1,1-Dichloroethane	<5.7		5.7	0.90	ug/Kg	☼		04/03/14 13:45	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		04/03/14 13:45	1
1,1-Dichloroethene	<5.7		5.7	0.91	ug/Kg	☼		04/03/14 13:45	1
1,2-Dichloropropane	<5.7		5.7	0.86	ug/Kg	☼		04/03/14 13:45	1
1,3-Dichloropropene, Total	<5.7		5.7	0.74	ug/Kg	☼		04/03/14 13:45	1
Ethylbenzene	<5.7		5.7	1.1	ug/Kg	☼		04/03/14 13:45	1
2-Hexanone	<5.7		5.7	1.6	ug/Kg	☼		04/03/14 13:45	1
Methylene Chloride	<5.7		5.7	1.5	ug/Kg	☼		04/03/14 13:45	1
Methyl Ethyl Ketone	<5.7		5.7	2.0	ug/Kg	☼		04/03/14 13:45	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	☼		04/03/14 13:45	1
Methyl tert-butyl ether	<5.7		5.7	0.94	ug/Kg	☼		04/03/14 13:45	1
Styrene	<5.7		5.7	0.74	ug/Kg	☼		04/03/14 13:45	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	1.1	ug/Kg	☼		04/03/14 13:45	1
Tetrachloroethene	<5.7		5.7	0.87	ug/Kg	☼		04/03/14 13:45	1
Toluene	<5.7		5.7	0.79	ug/Kg	☼		04/03/14 13:45	1
trans-1,2-Dichloroethene	<5.7		5.7	0.78	ug/Kg	☼		04/03/14 13:45	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	☼		04/03/14 13:45	1
1,1,1-Trichloroethane	<5.7		5.7	0.85	ug/Kg	☼		04/03/14 13:45	1
1,1,2-Trichloroethane	<5.7		5.7	0.77	ug/Kg	☼		04/03/14 13:45	1
Trichloroethene	<5.7		5.7	0.93	ug/Kg	☼		04/03/14 13:45	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	☼		04/03/14 13:45	1
Xylenes, Total	<11		11	0.51	ug/Kg	☼		04/03/14 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 122*		*04/03/14 13:45*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*04/03/14 13:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*		*04/03/14 13:45*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*04/03/14 13:45*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: IP-13(0-4)-040114
Date Collected: 04/01/14 08:00
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-1
Matrix: Solid
Percent Solids: 88.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
2,4-Dinitrophenol	<740		740	640	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
2-Methylphenol	<180		180	59	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Anthracene	**15**	**J**	36	6.1	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Benzo[a]anthracene	**72**		36	4.9	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Benzo[a]pyrene	**74**		36	7.1	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Benzo[b]fluoranthene	**110**		36	7.9	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Benzo[g,h,i]perylene	**65**		36	12	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Benzo[k]fluoranthene	**45**		36	11	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Carbazole	<180		180	94	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Chrysene	**90**		36	10	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Dibenz(a,h)anthracene	<36		36	7.1	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Dibenzofuran	<180		180	43	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Fluoranthene	**120**		36	6.8	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Fluorene	<36		36	5.1	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Hexachloroethane	<180		180	56	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: IP-13(0-4)-040114
Date Collected: 04/01/14 08:00
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-1
Matrix: Solid
Percent Solids: 88.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	50		36	9.5	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Isophorone	<180		180	41	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Naphthalene	<36		36	5.6	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
N-Nitrosodi-n-propylamine	<180		180	45	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Phenanthrene	62		36	5.1	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Phenol	<180		180	81	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1
Pyrene	130		36	7.3	ug/Kg	☼	04/04/14 07:10	04/08/14 10:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*65*		*35 - 137*	*04/04/14 07:10*	*04/08/14 10:59*	*1*
2-Fluorobiphenyl	*57*		*25 - 119*	*04/04/14 07:10*	*04/08/14 10:59*	*1*
2-Fluorophenol	*51*		*25 - 110*	*04/04/14 07:10*	*04/08/14 10:59*	*1*
Nitrobenzene-d5	*45*		*25 - 115*	*04/04/14 07:10*	*04/08/14 10:59*	*1*
Phenol-d5	*56*		*31 - 110*	*04/04/14 07:10*	*04/08/14 10:59*	*1*
Terphenyl-d14	*77*		*36 - 134*	*04/04/14 07:10*	*04/08/14 10:59*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/07/14 17:13	1
Barium	0.43	J	0.50	0.050	mg/L		04/07/14 07:30	04/07/14 17:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 07:30	04/07/14 17:13	1
Cadmium	0.0067		0.0050	0.0020	mg/L		04/07/14 07:30	04/07/14 17:13	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 17:13	1
Cobalt	0.079		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 17:13	1
Copper	0.010	J	0.025	0.010	mg/L		04/07/14 07:30	04/07/14 17:13	1
Iron	<0.20		0.20	0.20	mg/L		04/07/14 07:30	04/07/14 17:13	1
Lead	0.094		0.0075	0.0075	mg/L		04/07/14 07:30	04/07/14 17:13	1
Manganese	5.7		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 17:13	1
Nickel	0.078		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 17:13	1
Selenium	0.013	J B	0.050	0.010	mg/L		04/07/14 07:30	04/07/14 17:13	1
Silver	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 17:13	1
Zinc	0.14		0.10	0.020	mg/L		04/07/14 07:30	04/07/14 17:13	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.090		0.050	0.010	mg/L		04/07/14 09:15	04/08/14 23:23	1
Barium	0.52		0.50	0.050	mg/L		04/07/14 09:15	04/08/14 23:23	1
Beryllium	0.0066		0.0040	0.0040	mg/L		04/07/14 09:15	04/08/14 23:23	1
Cadmium	0.0026	J	0.0050	0.0020	mg/L		04/07/14 09:15	04/08/14 23:23	1
Chromium	0.17		0.025	0.010	mg/L		04/07/14 09:15	04/08/14 23:23	1
Cobalt	0.060		0.025	0.010	mg/L		04/07/14 09:15	04/08/14 23:23	1
Copper	0.31		0.10	0.010	mg/L		04/07/14 09:15	04/08/14 23:23	1
Iron	170		0.20	0.20	mg/L		04/07/14 09:15	04/08/14 23:23	1
Lead	0.19		0.0075	0.0075	mg/L		04/10/14 09:45	04/11/14 03:30	1
Manganese	0.94		0.025	0.010	mg/L		04/07/14 09:15	04/08/14 23:23	1
Nickel	0.19		0.025	0.010	mg/L		04/07/14 09:15	04/08/14 23:23	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:15	04/08/14 23:23	1

Client Sample ID: IP-13(0-4)-040114
Date Collected: 04/01/14 08:00
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-1
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/08/14 23:23	1
Zinc	**0.70**	**B**	0.10	0.020	mg/L		04/07/14 09:15	04/08/14 23:23	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9500**		11	2.1	mg/Kg	☼	04/02/14 15:30	04/03/14 21:05	1
Antimony	<1.1		1.1	0.43	mg/Kg	☼	04/02/14 15:30	04/03/14 21:05	1
Arsenic	**6.8**		0.54	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 21:05	1
Barium	**49**		0.54	0.057	mg/Kg	☼	04/02/14 15:30	04/03/14 21:05	1
Beryllium	**0.47**		0.21	0.043	mg/Kg	☼	04/02/14 15:30	04/03/14 21:05	1
Cadmium	**0.86**	**B**	0.11	0.014	mg/Kg	☼	04/02/14 15:30	04/03/14 21:05	1
Calcium	**78000**	**B**	110	29	mg/Kg	☼	04/02/14 15:30	04/05/14 02:52	10
Chromium	**16**		0.54	0.062	mg/Kg	☼	04/02/14 15:30	04/03/14 21:05	1
Cobalt	**6.4**		0.27	0.054	mg/Kg	☼	04/02/14 15:30	04/03/14 21:05	1
Copper	**16**		0.54	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 21:05	1
Iron	**14000**		11	4.4	mg/Kg	☼	04/02/14 15:30	04/03/14 21:05	1
Lead	**7.1**	**B**	0.27	0.080	mg/Kg	☼	04/02/14 15:30	04/03/14 21:05	1
Magnesium	**35000**	**B**	5.4	1.1	mg/Kg	☼	04/02/14 15:30	04/03/14 21:05	1
Manganese	**350**		0.54	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 21:05	1
Nickel	**17**	**^**	0.54	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 21:05	1
Potassium	**3400**		27	1.6	mg/Kg	☼	04/02/14 15:30	04/03/14 21:05	1
Selenium	<0.54		0.54	0.19	mg/Kg	☼	04/02/14 15:30	04/03/14 21:05	1
Silver	**0.050**	**J**	0.27	0.019	mg/Kg	☼	04/02/14 15:30	04/03/14 21:05	1
Sodium	**1400**		54	7.2	mg/Kg	☼	04/02/14 15:30	04/03/14 21:05	1
Thallium	**0.32**	**J**	0.54	0.23	mg/Kg	☼	04/02/14 15:30	04/03/14 21:05	1
Vanadium	**16**		0.27	0.040	mg/Kg	☼	04/02/14 15:30	04/03/14 21:05	1
Zinc	**30**		1.1	0.22	mg/Kg	☼	04/02/14 15:30	04/03/14 21:05	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 11:12	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.27**		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 12:13	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**24**		19	7.4	ug/Kg	☼	04/03/14 12:22	04/04/14 09:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.77**		0.200	0.200	SU			04/06/14 13:55	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: IP-13(0-4)-040114D
Date Collected: 04/01/14 08:00
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-2
Matrix: Solid
Percent Solids: 87.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.7		5.7	2.5	ug/Kg	☼		04/03/14 14:57	1
Benzene	<5.7		5.7	0.79	ug/Kg	☼		04/03/14 14:57	1
Bromodichloromethane	<5.7		5.7	0.99	ug/Kg	☼		04/03/14 14:57	1
Bromoform	<5.7		5.7	1.3	ug/Kg	☼		04/03/14 14:57	1
Bromomethane	<5.7	*	5.7	1.7	ug/Kg	☼		04/03/14 14:57	1
Carbon disulfide	<5.7		5.7	0.86	ug/Kg	☼		04/03/14 14:57	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	☼		04/03/14 14:57	1
Chlorobenzene	<5.7		5.7	0.58	ug/Kg	☼		04/03/14 14:57	1
Chloroethane	<5.7	*	5.7	1.6	ug/Kg	☼		04/03/14 14:57	1
Chloroform	<5.7		5.7	0.66	ug/Kg	☼		04/03/14 14:57	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	☼		04/03/14 14:57	1
cis-1,2-Dichloroethene	<5.7		5.7	0.81	ug/Kg	☼		04/03/14 14:57	1
cis-1,3-Dichloropropene	<5.7		5.7	0.75	ug/Kg	☼		04/03/14 14:57	1
Dibromochloromethane	<5.7		5.7	1.0	ug/Kg	☼		04/03/14 14:57	1
1,1-Dichloroethane	<5.7		5.7	0.91	ug/Kg	☼		04/03/14 14:57	1
1,2-Dichloroethane	<5.7		5.7	0.85	ug/Kg	☼		04/03/14 14:57	1
1,1-Dichloroethene	<5.7		5.7	0.93	ug/Kg	☼		04/03/14 14:57	1
1,2-Dichloropropane	<5.7		5.7	0.87	ug/Kg	☼		04/03/14 14:57	1
1,3-Dichloropropene, Total	<5.7		5.7	0.75	ug/Kg	☼		04/03/14 14:57	1
Ethylbenzene	<5.7		5.7	1.2	ug/Kg	☼		04/03/14 14:57	1
2-Hexanone	<5.7		5.7	1.7	ug/Kg	☼		04/03/14 14:57	1
Methylene Chloride	<5.7		5.7	1.5	ug/Kg	☼		04/03/14 14:57	1
Methyl Ethyl Ketone	<5.7		5.7	2.1	ug/Kg	☼		04/03/14 14:57	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	☼		04/03/14 14:57	1
Methyl tert-butyl ether	<5.7		5.7	0.95	ug/Kg	☼		04/03/14 14:57	1
Styrene	<5.7		5.7	0.75	ug/Kg	☼		04/03/14 14:57	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	1.2	ug/Kg	☼		04/03/14 14:57	1
Tetrachloroethene	<5.7		5.7	0.88	ug/Kg	☼		04/03/14 14:57	1
Toluene	<5.7		5.7	0.80	ug/Kg	☼		04/03/14 14:57	1
trans-1,2-Dichloroethene	<5.7		5.7	0.79	ug/Kg	☼		04/03/14 14:57	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	☼		04/03/14 14:57	1
1,1,1-Trichloroethane	<5.7		5.7	0.86	ug/Kg	☼		04/03/14 14:57	1
1,1,2-Trichloroethane	<5.7		5.7	0.78	ug/Kg	☼		04/03/14 14:57	1
Trichloroethene	<5.7		5.7	0.95	ug/Kg	☼		04/03/14 14:57	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	☼		04/03/14 14:57	1
Xylenes, Total	<11		11	0.52	ug/Kg	☼		04/03/14 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 122*		*04/03/14 14:57*	*1*
Dibromofluoromethane	*109*		*75 - 120*		*04/03/14 14:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 134*		*04/03/14 14:57*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*04/03/14 14:57*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: IP-13(0-4)-040114D
Date Collected: 04/01/14 08:00
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-2
Matrix: Solid
Percent Solids: 87.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
2,4-Dinitrophenol	<730		730	630	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
2-Methylnaphthalene	**10**	**J**	36	6.6	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
2-Methylphenol	<180		180	58	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Acenaphthene	**9.1**	**J**	36	6.5	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Acenaphthylene	**15**	**J**	36	4.8	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Anthracene	**36**		36	6.0	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Benzo[a]anthracene	**280**		36	4.8	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Benzo[a]pyrene	**270**		36	7.0	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Benzo[b]fluoranthene	**430**		36	7.8	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Benzo[g,h,i]perylene	**290**		36	12	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Benzo[k]fluoranthene	**160**		36	11	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Carbazole	<180		180	93	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Chrysene	**370**		36	9.8	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Dibenz(a,h)anthracene	**74**		36	7.0	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Dibenzofuran	<180		180	42	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Fluoranthene	**560**		36	6.7	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Fluorene	**7.9**	**J**	36	5.1	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Hexachloroethane	<180		180	55	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: IP-13(0-4)-040114D
Date Collected: 04/01/14 08:00
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-2
Matrix: Solid
Percent Solids: 87.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	190		36	9.3	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Isophorone	<180		180	40	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Naphthalene	8.0	J	36	5.5	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Phenanthrene	180		36	5.0	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Phenol	<180		180	80	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1
Pyrene	540		36	7.2	ug/Kg	☼	04/04/14 07:10	04/07/14 16:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*77*		*35 - 137*	*04/04/14 07:10*	*04/07/14 16:19*	*1*
2-Fluorobiphenyl	*66*		*25 - 119*	*04/04/14 07:10*	*04/07/14 16:19*	*1*
2-Fluorophenol	*58*		*25 - 110*	*04/04/14 07:10*	*04/07/14 16:19*	*1*
Nitrobenzene-d5	*58*		*25 - 115*	*04/04/14 07:10*	*04/07/14 16:19*	*1*
Phenol-d5	*60*		*31 - 110*	*04/04/14 07:10*	*04/07/14 16:19*	*1*
Terphenyl-d14	*102*		*36 - 134*	*04/04/14 07:10*	*04/07/14 16:19*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/07/14 17:32	1
Barium	0.44	J	0.50	0.050	mg/L		04/07/14 07:30	04/07/14 17:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 07:30	04/07/14 17:32	1
Cadmium	0.0072		0.0050	0.0020	mg/L		04/07/14 07:30	04/07/14 17:32	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 17:32	1
Cobalt	0.064		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 17:32	1
Copper	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 17:32	1
Iron	<0.20		0.20	0.20	mg/L		04/07/14 07:30	04/07/14 17:32	1
Lead	0.041		0.0075	0.0075	mg/L		04/07/14 07:30	04/07/14 17:32	1
Manganese	5.4		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 17:32	1
Nickel	0.067		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 17:32	1
Selenium	0.010	J B	0.050	0.010	mg/L		04/07/14 07:30	04/07/14 17:32	1
Silver	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 17:32	1
Zinc	0.24		0.10	0.020	mg/L		04/07/14 07:30	04/07/14 17:32	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 09:15	04/08/14 23:29	1
Barium	0.32	J	0.50	0.050	mg/L		04/07/14 09:15	04/08/14 23:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:15	04/08/14 23:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:15	04/08/14 23:29	1
Chromium	0.021	J	0.025	0.010	mg/L		04/07/14 09:15	04/08/14 23:29	1
Cobalt	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/08/14 23:29	1
Copper	0.14		0.10	0.010	mg/L		04/07/14 09:15	04/08/14 23:29	1
Iron	17		0.20	0.20	mg/L		04/07/14 09:15	04/08/14 23:29	1
Lead	0.20		0.0075	0.0075	mg/L		04/10/14 09:45	04/11/14 04:10	1
Manganese	0.27		0.025	0.010	mg/L		04/07/14 09:15	04/08/14 23:29	1
Nickel	0.025		0.025	0.010	mg/L		04/07/14 09:15	04/08/14 23:29	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:15	04/08/14 23:29	1

Client Sample ID: IP-13(0-4)-040114D
Date Collected: 04/01/14 08:00
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-2
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/08/14 23:29	1
Zinc	**0.27**	**B**	0.10	0.020	mg/L		04/07/14 09:15	04/08/14 23:29	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9900**		11	2.1	mg/Kg	☼	04/02/14 15:30	04/03/14 21:12	1
Antimony	**0.46**	**J**	1.1	0.42	mg/Kg	☼	04/02/14 15:30	04/03/14 21:12	1
Arsenic	**8.3**		0.53	0.10	mg/Kg	☼	04/02/14 15:30	04/03/14 21:12	1
Barium	**57**		0.53	0.056	mg/Kg	☼	04/02/14 15:30	04/03/14 21:12	1
Beryllium	**0.50**		0.21	0.042	mg/Kg	☼	04/02/14 15:30	04/03/14 21:12	1
Cadmium	**0.99**	**B**	0.11	0.013	mg/Kg	☼	04/02/14 15:30	04/03/14 21:12	1
Calcium	**82000**	**B**	110	29	mg/Kg	☼	04/02/14 15:30	04/05/14 02:58	10
Chromium	**16**		0.53	0.061	mg/Kg	☼	04/02/14 15:30	04/03/14 21:12	1
Cobalt	**8.2**		0.26	0.053	mg/Kg	☼	04/02/14 15:30	04/03/14 21:12	1
Copper	**25**		0.53	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 21:12	1
Iron	**15000**		11	4.3	mg/Kg	☼	04/02/14 15:30	04/03/14 21:12	1
Lead	**49**	**B**	0.26	0.078	mg/Kg	☼	04/02/14 15:30	04/03/14 21:12	1
Magnesium	**38000**	**B**	5.3	1.1	mg/Kg	☼	04/02/14 15:30	04/03/14 21:12	1
Manganese	**380**		0.53	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 21:12	1
Nickel	**19**	**^**	0.53	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 21:12	1
Potassium	**2800**		26	1.6	mg/Kg	☼	04/02/14 15:30	04/03/14 21:12	1
Selenium	<0.53		0.53	0.19	mg/Kg	☼	04/02/14 15:30	04/03/14 21:12	1
Silver	**0.048**	**J**	0.26	0.019	mg/Kg	☼	04/02/14 15:30	04/03/14 21:12	1
Sodium	**1900**		53	7.1	mg/Kg	☼	04/02/14 15:30	04/03/14 21:12	1
Thallium	**0.40**	**J**	0.53	0.22	mg/Kg	☼	04/02/14 15:30	04/03/14 21:12	1
Vanadium	**19**		0.26	0.039	mg/Kg	☼	04/02/14 15:30	04/03/14 21:12	1
Zinc	**60**		1.1	0.21	mg/Kg	☼	04/02/14 15:30	04/03/14 21:12	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 11:14	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.35**		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 12:15	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**53**		19	7.3	ug/Kg	☼	04/03/14 12:22	04/04/14 09:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.69**		0.200	0.200	SU			04/06/14 13:57	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: IP-15(0-4)-040114
Date Collected: 04/01/14 08:30
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-4
Matrix: Solid
Percent Solids: 86.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		04/03/14 15:46	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		04/03/14 15:46	1
Bromodichloromethane	<5.8		5.8	0.99	ug/Kg	☼		04/03/14 15:46	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		04/03/14 15:46	1
Bromomethane	<5.8	*	5.8	1.7	ug/Kg	☼		04/03/14 15:46	1
Carbon disulfide	<5.8		5.8	0.86	ug/Kg	☼		04/03/14 15:46	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		04/03/14 15:46	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		04/03/14 15:46	1
Chloroethane	<5.8	*	5.8	1.6	ug/Kg	☼		04/03/14 15:46	1
Chloroform	<5.8		5.8	0.66	ug/Kg	☼		04/03/14 15:46	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		04/03/14 15:46	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		04/03/14 15:46	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		04/03/14 15:46	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/03/14 15:46	1
1,1-Dichloroethane	<5.8		5.8	0.91	ug/Kg	☼		04/03/14 15:46	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		04/03/14 15:46	1
1,1-Dichloroethene	<5.8		5.8	0.93	ug/Kg	☼		04/03/14 15:46	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		04/03/14 15:46	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		04/03/14 15:46	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		04/03/14 15:46	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		04/03/14 15:46	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		04/03/14 15:46	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		04/03/14 15:46	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		04/03/14 15:46	1
Methyl tert-butyl ether	<5.8		5.8	0.95	ug/Kg	☼		04/03/14 15:46	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		04/03/14 15:46	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		04/03/14 15:46	1
Tetrachloroethene	<5.8		5.8	0.88	ug/Kg	☼		04/03/14 15:46	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		04/03/14 15:46	1
trans-1,2-Dichloroethene	<5.8		5.8	0.79	ug/Kg	☼		04/03/14 15:46	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		04/03/14 15:46	1
1,1,1-Trichloroethane	<5.8		5.8	0.86	ug/Kg	☼		04/03/14 15:46	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		04/03/14 15:46	1
Trichloroethene	<5.8		5.8	0.95	ug/Kg	☼		04/03/14 15:46	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		04/03/14 15:46	1
Xylenes, Total	<12		12	0.52	ug/Kg	☼		04/03/14 15:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 122*		*04/03/14 15:46*	*1*
Dibromofluoromethane	*108*		*75 - 120*		*04/03/14 15:46*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 134*		*04/03/14 15:46*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*04/03/14 15:46*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: IP-15(0-4)-040114
Date Collected: 04/01/14 08:30
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-4
Matrix: Solid
Percent Solids: 86.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
2-Methylphenol	<190		190	61	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Anthracene	**27**	**J**	38	6.3	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Benzo[a]anthracene	**140**		38	5.1	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Benzo[a]pyrene	**130**		38	7.3	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Benzo[b]fluoranthene	**190**		38	8.2	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Benzo[g,h,i]perylene	**120**		38	12	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Benzo[k]fluoranthene	**88**		38	11	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Carbazole	<190		190	98	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Chrysene	**180**		38	10	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Dibenz(a,h)anthracene	**39**		38	7.3	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Dibenzofuran	<190		190	44	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Fluoranthene	**310**		38	7.0	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Fluorene	<38		38	5.3	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Hexachloroethane	<190		190	58	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: IP-15(0-4)-040114
Date Collected: 04/01/14 08:30
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-4
Matrix: Solid
Percent Solids: 86.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	81		38	9.8	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Isophorone	<190		190	43	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Naphthalene	<38		38	5.8	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Phenanthrene	130		38	5.3	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Phenol	<190		190	84	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1
Pyrene	280		38	7.5	ug/Kg	☼	04/04/14 07:10	04/07/14 16:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*88*		*35 - 137*	*04/04/14 07:10*	*04/07/14 16:55*	*1*
2-Fluorobiphenyl	*57*		*25 - 119*	*04/04/14 07:10*	*04/07/14 16:55*	*1*
2-Fluorophenol	*59*		*25 - 110*	*04/04/14 07:10*	*04/07/14 16:55*	*1*
Nitrobenzene-d5	*47*		*25 - 115*	*04/04/14 07:10*	*04/07/14 16:55*	*1*
Phenol-d5	*54*		*31 - 110*	*04/04/14 07:10*	*04/07/14 16:55*	*1*
Terphenyl-d14	*105*		*36 - 134*	*04/04/14 07:10*	*04/07/14 16:55*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/07/14 17:43	1
Barium	0.33	J	0.50	0.050	mg/L		04/07/14 07:30	04/07/14 17:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 07:30	04/07/14 17:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 07:30	04/07/14 17:43	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 17:43	1
Cobalt	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 17:43	1
Copper	0.011	J	0.025	0.010	mg/L		04/07/14 07:30	04/07/14 17:43	1
Iron	<0.20		0.20	0.20	mg/L		04/07/14 07:30	04/07/14 17:43	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/07/14 07:30	04/07/14 17:43	1
Manganese	1.6		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 17:43	1
Nickel	0.013	J	0.025	0.010	mg/L		04/07/14 07:30	04/07/14 17:43	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/07/14 17:43	1
Silver	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 17:43	1
Zinc	0.12		0.10	0.020	mg/L		04/07/14 07:30	04/07/14 17:43	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 09:15	04/09/14 00:17	1
Barium	0.21	J	0.50	0.050	mg/L		04/07/14 09:15	04/09/14 00:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:15	04/09/14 00:17	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:15	04/09/14 00:17	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 00:17	1
Cobalt	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 00:17	1
Copper	0.25		0.10	0.010	mg/L		04/07/14 09:15	04/09/14 00:17	1
Iron	4.1		0.20	0.20	mg/L		04/07/14 09:15	04/09/14 00:17	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/10/14 09:45	04/11/14 04:22	1
Manganese	0.12		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 00:17	1
Nickel	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 00:17	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:15	04/09/14 00:17	1

Client Sample ID: IP-15(0-4)-040114
Date Collected: 04/01/14 08:30
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-4
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 00:17	1
Zinc	**0.24**	**B**	0.10	0.020	mg/L		04/07/14 09:15	04/09/14 00:17	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**14000**		11	2.2	mg/Kg	☼	04/02/14 15:30	04/03/14 21:24	1
Antimony	<1.1		1.1	0.44	mg/Kg	☼	04/02/14 15:30	04/03/14 21:24	1
Arsenic	**6.9**		0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 21:24	1
Barium	**50**		0.55	0.058	mg/Kg	☼	04/02/14 15:30	04/03/14 21:24	1
Beryllium	**0.68**		0.22	0.044	mg/Kg	☼	04/02/14 15:30	04/03/14 21:24	1
Cadmium	**0.51**	**B**	0.11	0.014	mg/Kg	☼	04/02/14 15:30	04/03/14 21:24	1
Calcium	**4300**	**B**	11	3.0	mg/Kg	☼	04/02/14 15:30	04/03/14 21:24	1
Chromium	**19**		0.55	0.063	mg/Kg	☼	04/02/14 15:30	04/03/14 21:24	1
Cobalt	**7.1**		0.27	0.055	mg/Kg	☼	04/02/14 15:30	04/03/14 21:24	1
Copper	**21**		0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 21:24	1
Iron	**17000**		11	4.5	mg/Kg	☼	04/02/14 15:30	04/03/14 21:24	1
Lead	**14**	**B**	0.27	0.081	mg/Kg	☼	04/02/14 15:30	04/03/14 21:24	1
Magnesium	**4800**	**B**	5.5	1.1	mg/Kg	☼	04/02/14 15:30	04/03/14 21:24	1
Manganese	**160**		0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 21:24	1
Nickel	**19**	**^**	0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 21:24	1
Potassium	**2200**		27	1.6	mg/Kg	☼	04/02/14 15:30	04/03/14 21:24	1
Selenium	**0.36**	**J**	0.55	0.19	mg/Kg	☼	04/02/14 15:30	04/03/14 21:24	1
Silver	<0.27		0.27	0.020	mg/Kg	☼	04/02/14 15:30	04/03/14 21:24	1
Sodium	**1000**		55	7.3	mg/Kg	☼	04/02/14 15:30	04/03/14 21:24	1
Thallium	**0.28**	**J**	0.55	0.23	mg/Kg	☼	04/02/14 15:30	04/03/14 21:24	1
Vanadium	**31**		0.27	0.040	mg/Kg	☼	04/02/14 15:30	04/03/14 21:24	1
Zinc	**44**		1.1	0.22	mg/Kg	☼	04/02/14 15:30	04/03/14 21:24	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 11:26	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.087**	**J**	0.20	0.020	ug/L		04/07/14 16:10	04/08/14 12:19	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**57**		18	7.2	ug/Kg	☼	04/03/14 12:22	04/04/14 09:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.01**		0.200	0.200	SU			04/06/14 14:01	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: IP-7(0-2)-040114
Date Collected: 04/01/14 10:40
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-10
Matrix: Solid
Percent Solids: 90.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	13		5.5	2.4	ug/Kg	☼		04/03/14 18:10	1
Benzene	<5.5		5.5	0.76	ug/Kg	☼		04/03/14 18:10	1
Bromodichloromethane	<5.5		5.5	0.95	ug/Kg	☼		04/03/14 18:10	1
Bromoform	<5.5		5.5	1.3	ug/Kg	☼		04/03/14 18:10	1
Bromomethane	<5.5	*	5.5	1.7	ug/Kg	☼		04/03/14 18:10	1
Carbon disulfide	<5.5		5.5	0.82	ug/Kg	☼		04/03/14 18:10	1
Carbon tetrachloride	<5.5		5.5	1.0	ug/Kg	☼		04/03/14 18:10	1
Chlorobenzene	<5.5		5.5	0.56	ug/Kg	☼		04/03/14 18:10	1
Chloroethane	<5.5	*	5.5	1.5	ug/Kg	☼		04/03/14 18:10	1
Chloroform	<5.5		5.5	0.63	ug/Kg	☼		04/03/14 18:10	1
Chloromethane	<5.5		5.5	1.2	ug/Kg	☼		04/03/14 18:10	1
cis-1,2-Dichloroethene	<5.5		5.5	0.78	ug/Kg	☼		04/03/14 18:10	1
cis-1,3-Dichloropropene	<5.5		5.5	0.72	ug/Kg	☼		04/03/14 18:10	1
Dibromochloromethane	<5.5		5.5	0.96	ug/Kg	☼		04/03/14 18:10	1
1,1-Dichloroethane	<5.5		5.5	0.87	ug/Kg	☼		04/03/14 18:10	1
1,2-Dichloroethane	<5.5		5.5	0.82	ug/Kg	☼		04/03/14 18:10	1
1,1-Dichloroethene	<5.5		5.5	0.89	ug/Kg	☼		04/03/14 18:10	1
1,2-Dichloropropane	<5.5		5.5	0.84	ug/Kg	☼		04/03/14 18:10	1
1,3-Dichloropropene, Total	<5.5		5.5	0.72	ug/Kg	☼		04/03/14 18:10	1
Ethylbenzene	<5.5		5.5	1.1	ug/Kg	☼		04/03/14 18:10	1
2-Hexanone	<5.5		5.5	1.6	ug/Kg	☼		04/03/14 18:10	1
Methylene Chloride	<5.5		5.5	1.5	ug/Kg	☼		04/03/14 18:10	1
Methyl Ethyl Ketone	<5.5		5.5	2.0	ug/Kg	☼		04/03/14 18:10	1
methyl isobutyl ketone	<5.5		5.5	1.4	ug/Kg	☼		04/03/14 18:10	1
Methyl tert-butyl ether	<5.5		5.5	0.91	ug/Kg	☼		04/03/14 18:10	1
Styrene	<5.5		5.5	0.72	ug/Kg	☼		04/03/14 18:10	1
1,1,2,2-Tetrachloroethane	<5.5		5.5	1.1	ug/Kg	☼		04/03/14 18:10	1
Tetrachloroethene	<5.5		5.5	0.84	ug/Kg	☼		04/03/14 18:10	1
Toluene	<5.5		5.5	0.77	ug/Kg	☼		04/03/14 18:10	1
trans-1,2-Dichloroethene	<5.5		5.5	0.76	ug/Kg	☼		04/03/14 18:10	1
trans-1,3-Dichloropropene	<5.5		5.5	0.99	ug/Kg	☼		04/03/14 18:10	1
1,1,1-Trichloroethane	<5.5		5.5	0.82	ug/Kg	☼		04/03/14 18:10	1
1,1,2-Trichloroethane	<5.5		5.5	0.75	ug/Kg	☼		04/03/14 18:10	1
Trichloroethene	<5.5		5.5	0.91	ug/Kg	☼		04/03/14 18:10	1
Vinyl chloride	<5.5		5.5	1.2	ug/Kg	☼		04/03/14 18:10	1
Xylenes, Total	<11		11	0.50	ug/Kg	☼		04/03/14 18:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 122*		*04/03/14 18:10*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*04/03/14 18:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*		*04/03/14 18:10*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*04/03/14 18:10*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: IP-7(0-2)-040114
Date Collected: 04/01/14 10:40
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-10
Matrix: Solid
Percent Solids: 90.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
2,4-Dichlorophenol	<360		360	86	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
2,4-Dinitrophenol	<730		730	640	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
2-Methylnaphthalene	**56**		36	6.7	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
2-Methylphenol	<180		180	58	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
4-Chloroaniline	<730		730	170	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
4-Nitrophenol	<730		730	340	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Acenaphthene	**66**		36	6.5	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Acenaphthylene	**15**	**J**	36	4.8	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Anthracene	**160**		36	6.1	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Benzo[a]anthracene	**280**		36	4.9	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Benzo[a]pyrene	**220**		36	7.0	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Benzo[b]fluoranthene	**270**		36	7.8	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Benzo[g,h,i]perylene	**140**		36	12	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Benzo[k]fluoranthene	**160**		36	11	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Carbazole	<180		180	94	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Chrysene	**280**		36	9.9	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Dibenz(a,h)anthracene	**54**		36	7.0	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Dibenzofuran	**86**	**J**	180	42	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Fluoranthene	**610**		36	6.7	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Fluorene	**82**		36	5.1	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Hexachlorobenzene	<73		73	8.4	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Hexachlorocyclopentadiene	<730		730	210	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Hexachloroethane	<180		180	55	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: IP-7(0-2)-040114
Date Collected: 04/01/14 10:40
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-10
Matrix: Solid
Percent Solids: 90.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	120		36	9.4	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Isophorone	<180		180	41	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Naphthalene	36		36	5.6	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Pentachlorophenol	<730		730	580	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Phenanthrene	520		36	5.1	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Phenol	<180		180	81	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1
Pyrene	800		36	7.2	ug/Kg	☼	04/04/14 07:10	04/08/14 11:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*62*		*35 - 137*	*04/04/14 07:10*	*04/08/14 11:44*	*1*
2-Fluorobiphenyl	*60*		*25 - 119*	*04/04/14 07:10*	*04/08/14 11:44*	*1*
2-Fluorophenol	*48*		*25 - 110*	*04/04/14 07:10*	*04/08/14 11:44*	*1*
Nitrobenzene-d5	*47*		*25 - 115*	*04/04/14 07:10*	*04/08/14 11:44*	*1*
Phenol-d5	*55*		*31 - 110*	*04/04/14 07:10*	*04/08/14 11:44*	*1*
Terphenyl-d14	*103*		*36 - 134*	*04/04/14 07:10*	*04/08/14 11:44*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/07/14 18:22	1
Barium	0.62		0.50	0.050	mg/L		04/07/14 07:30	04/07/14 18:22	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 07:30	04/07/14 18:22	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 07:30	04/07/14 18:22	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:22	1
Cobalt	0.021	J	0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:22	1
Copper	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:22	1
Iron	<0.20		0.20	0.20	mg/L		04/07/14 07:30	04/07/14 18:22	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/07/14 07:30	04/07/14 18:22	1
Manganese	3.7		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:22	1
Nickel	0.026		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:22	1
Selenium	0.020	J B	0.050	0.010	mg/L		04/07/14 07:30	04/07/14 18:22	1
Silver	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:22	1
Zinc	0.14		0.10	0.020	mg/L		04/07/14 07:30	04/07/14 18:22	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 09:15	04/09/14 00:56	1
Barium	0.18	J	0.50	0.050	mg/L		04/07/14 09:15	04/09/14 00:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:15	04/09/14 00:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:15	04/09/14 00:56	1
Chromium	0.014	J	0.025	0.010	mg/L		04/07/14 09:15	04/09/14 00:56	1
Cobalt	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 00:56	1
Copper	0.11		0.10	0.010	mg/L		04/07/14 09:15	04/09/14 00:56	1
Iron	7.8		0.20	0.20	mg/L		04/07/14 09:15	04/09/14 00:56	1
Lead	0.036		0.0075	0.0075	mg/L		04/10/14 09:45	04/11/14 05:15	1
Manganese	0.13		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 00:56	1
Nickel	0.013	J	0.025	0.010	mg/L		04/07/14 09:15	04/09/14 00:56	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:15	04/09/14 00:56	1

Client Sample ID: IP-7(0-2)-040114
Date Collected: 04/01/14 10:40
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-10
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 00:56	1
Zinc	**0.16**	**B**	0.10	0.020	mg/L		04/07/14 09:15	04/09/14 00:56	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**8600**		10	2.0	mg/Kg	☼	04/02/14 15:30	04/03/14 22:16	1
Antimony	**0.43**	**J**	1.0	0.40	mg/Kg	☼	04/02/14 15:30	04/03/14 22:16	1
Arsenic	**8.2**		0.50	0.10	mg/Kg	☼	04/02/14 15:30	04/03/14 22:16	1
Barium	**36**		0.50	0.054	mg/Kg	☼	04/02/14 15:30	04/03/14 22:16	1
Beryllium	**0.45**		0.20	0.040	mg/Kg	☼	04/02/14 15:30	04/03/14 22:16	1
Cadmium	**0.75**	**B**	0.10	0.013	mg/Kg	☼	04/02/14 15:30	04/03/14 22:16	1
Calcium	**61000**	**B**	100	27	mg/Kg	☼	04/02/14 15:30	04/05/14 03:17	10
Chromium	**13**		0.50	0.058	mg/Kg	☼	04/02/14 15:30	04/03/14 22:16	1
Cobalt	**8.2**		0.25	0.050	mg/Kg	☼	04/02/14 15:30	04/03/14 22:16	1
Copper	**26**		0.50	0.10	mg/Kg	☼	04/02/14 15:30	04/03/14 22:16	1
Iron	**17000**		10	4.1	mg/Kg	☼	04/02/14 15:30	04/03/14 22:16	1
Lead	**13**	**B**	0.25	0.075	mg/Kg	☼	04/02/14 15:30	04/03/14 22:16	1
Magnesium	**28000**	**B**	5.0	1.0	mg/Kg	☼	04/02/14 15:30	04/03/14 22:16	1
Manganese	**360**		0.50	0.10	mg/Kg	☼	04/02/14 15:30	04/03/14 22:16	1
Nickel	**21**	**^**	0.50	0.10	mg/Kg	☼	04/02/14 15:30	04/03/14 22:16	1
Potassium	**2700**		25	1.5	mg/Kg	☼	04/02/14 15:30	04/03/14 22:16	1
Selenium	<0.50		0.50	0.18	mg/Kg	☼	04/02/14 15:30	04/03/14 22:16	1
Silver	**0.038**	**J**	0.25	0.018	mg/Kg	☼	04/02/14 15:30	04/03/14 22:16	1
Sodium	**610**		50	6.7	mg/Kg	☼	04/02/14 15:30	04/03/14 22:16	1
Thallium	**0.67**		0.50	0.21	mg/Kg	☼	04/02/14 15:30	04/03/14 22:16	1
Vanadium	**19**		0.25	0.037	mg/Kg	☼	04/02/14 15:30	04/03/14 22:16	1
Zinc	**42**		1.0	0.20	mg/Kg	☼	04/02/14 15:30	04/03/14 22:16	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 11:38	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 12:35	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**67**		16	6.4	ug/Kg	☼	04/03/14 12:22	04/04/14 10:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.13**		0.200	0.200	SU			04/06/14 14:13	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: IP-7(0-2)-040114D
Date Collected: 04/01/14 10:40
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-11
Matrix: Solid
Percent Solids: 87.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.5		5.7	2.5	ug/Kg	☼		04/03/14 18:34	1
Benzene	<5.7		5.7	0.78	ug/Kg	☼		04/03/14 18:34	1
Bromodichloromethane	<5.7		5.7	0.98	ug/Kg	☼		04/03/14 18:34	1
Bromoform	<5.7		5.7	1.3	ug/Kg	☼		04/03/14 18:34	1
Bromomethane	<5.7	*	5.7	1.7	ug/Kg	☼		04/03/14 18:34	1
Carbon disulfide	<5.7		5.7	0.85	ug/Kg	☼		04/03/14 18:34	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	☼		04/03/14 18:34	1
Chlorobenzene	<5.7		5.7	0.58	ug/Kg	☼		04/03/14 18:34	1
Chloroethane	<5.7	*	5.7	1.5	ug/Kg	☼		04/03/14 18:34	1
Chloroform	<5.7		5.7	0.65	ug/Kg	☼		04/03/14 18:34	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	☼		04/03/14 18:34	1
cis-1,2-Dichloroethene	<5.7		5.7	0.80	ug/Kg	☼		04/03/14 18:34	1
cis-1,3-Dichloropropene	<5.7		5.7	0.75	ug/Kg	☼		04/03/14 18:34	1
Dibromochloromethane	<5.7		5.7	0.99	ug/Kg	☼		04/03/14 18:34	1
1,1-Dichloroethane	<5.7		5.7	0.90	ug/Kg	☼		04/03/14 18:34	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		04/03/14 18:34	1
1,1-Dichloroethene	<5.7		5.7	0.92	ug/Kg	☼		04/03/14 18:34	1
1,2-Dichloropropane	<5.7		5.7	0.86	ug/Kg	☼		04/03/14 18:34	1
1,3-Dichloropropene, Total	<5.7		5.7	0.75	ug/Kg	☼		04/03/14 18:34	1
Ethylbenzene	<5.7		5.7	1.1	ug/Kg	☼		04/03/14 18:34	1
2-Hexanone	<5.7		5.7	1.6	ug/Kg	☼		04/03/14 18:34	1
Methylene Chloride	<5.7		5.7	1.5	ug/Kg	☼		04/03/14 18:34	1
Methyl Ethyl Ketone	<5.7		5.7	2.1	ug/Kg	☼		04/03/14 18:34	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	☼		04/03/14 18:34	1
Methyl tert-butyl ether	<5.7		5.7	0.94	ug/Kg	☼		04/03/14 18:34	1
Styrene	<5.7		5.7	0.75	ug/Kg	☼		04/03/14 18:34	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	1.1	ug/Kg	☼		04/03/14 18:34	1
Tetrachloroethene	<5.7		5.7	0.87	ug/Kg	☼		04/03/14 18:34	1
Toluene	<5.7		5.7	0.80	ug/Kg	☼		04/03/14 18:34	1
trans-1,2-Dichloroethene	<5.7		5.7	0.78	ug/Kg	☼		04/03/14 18:34	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	☼		04/03/14 18:34	1
1,1,1-Trichloroethane	<5.7		5.7	0.85	ug/Kg	☼		04/03/14 18:34	1
1,1,2-Trichloroethane	<5.7		5.7	0.78	ug/Kg	☼		04/03/14 18:34	1
Trichloroethene	<5.7		5.7	0.94	ug/Kg	☼		04/03/14 18:34	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	☼		04/03/14 18:34	1
Xylenes, Total	<11		11	0.52	ug/Kg	☼		04/03/14 18:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 122*		*04/03/14 18:34*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*04/03/14 18:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 134*		*04/03/14 18:34*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*04/03/14 18:34*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
1,3-Dichlorobenzene	<190		190	41	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: IP-7(0-2)-040114D
Date Collected: 04/01/14 10:40
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-11
Matrix: Solid
Percent Solids: 87.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	84	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
2,4-Dichlorophenol	<370		370	87	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
2,6-Dinitrotoluene	<190		190	72	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
2-Methylnaphthalene	**59**		37	6.8	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
2-Methylphenol	<190		190	59	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
3 & 4 Methylphenol	<190		190	61	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Acenaphthene	**55**		37	6.6	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Acenaphthylene	**38**		37	4.9	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Anthracene	**140**		37	6.2	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Benzo[a]anthracene	**300**		37	5.0	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Benzo[a]pyrene	**260**		37	7.1	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Benzo[b]fluoranthene	**380**		37	7.9	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Benzo[g,h,i]perylene	**160**		37	12	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Benzo[k]fluoranthene	**170**		37	11	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Bis(2-ethylhexyl) phthalate	<190		190	67	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Carbazole	<190		190	95	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Chrysene	**330**		37	10	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Dibenz(a,h)anthracene	**58**		37	7.1	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Dibenzofuran	**99**	**J**	190	43	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Diethyl phthalate	<190		190	62	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Fluoranthene	**630**		37	6.8	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Fluorene	**68**		37	5.2	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Hexachloroethane	<190		190	56	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: IP-7(0-2)-040114D
Date Collected: 04/01/14 10:40
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-11
Matrix: Solid
Percent Solids: 87.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**140**		37	9.5	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Isophorone	<190		190	41	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Naphthalene	**39**		37	5.7	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
N-Nitrosodi-n-propylamine	<190		190	45	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
N-Nitrosodiphenylamine	<190		190	43	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Phenanthrene	**430**		37	5.1	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Phenol	<190		190	82	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1
Pyrene	**570**		37	7.3	ug/Kg	☼	04/04/14 07:10	04/08/14 12:06	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*62*		*35 - 137*	*04/04/14 07:10*	*04/08/14 12:06*	*1*
2-Fluorobiphenyl	*64*		*25 - 119*	*04/04/14 07:10*	*04/08/14 12:06*	*1*
2-Fluorophenol	*61*		*25 - 110*	*04/04/14 07:10*	*04/08/14 12:06*	*1*
Nitrobenzene-d5	*51*		*25 - 115*	*04/04/14 07:10*	*04/08/14 12:06*	*1*
Phenol-d5	*67*		*31 - 110*	*04/04/14 07:10*	*04/08/14 12:06*	*1*
Terphenyl-d14	*76*		*36 - 134*	*04/04/14 07:10*	*04/08/14 12:06*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/07/14 18:27	1
Barium	**0.69**		0.50	0.050	mg/L		04/07/14 07:30	04/07/14 18:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 07:30	04/07/14 18:27	1
Cadmium	**0.0031**	**J**	0.0050	0.0020	mg/L		04/07/14 07:30	04/07/14 18:27	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:27	1
Cobalt	**0.049**		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:27	1
Copper	**0.028**		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:27	1
Iron	**0.47**		0.20	0.20	mg/L		04/07/14 07:30	04/07/14 18:27	1
Lead	**0.034**		0.0075	0.0075	mg/L		04/07/14 07:30	04/07/14 18:27	1
Manganese	**6.5**		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:27	1
Nickel	**0.054**		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:27	1
Selenium	**0.012**	**J B**	0.050	0.010	mg/L		04/07/14 07:30	04/07/14 18:27	1
Silver	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:27	1
Zinc	**0.19**		0.10	0.020	mg/L		04/07/14 07:30	04/07/14 18:27	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 09:15	04/09/14 01:02	1
Barium	**0.23**	**J**	0.50	0.050	mg/L		04/07/14 09:15	04/09/14 01:02	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:15	04/09/14 01:02	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:15	04/09/14 01:02	1
Chromium	**0.020**	**J**	0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:02	1
Cobalt	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:02	1
Copper	**0.17**		0.10	0.010	mg/L		04/07/14 09:15	04/09/14 01:02	1
Iron	**12**		0.20	0.20	mg/L		04/07/14 09:15	04/09/14 01:02	1
Lead	**0.024**		0.0075	0.0075	mg/L		04/10/14 09:45	04/11/14 05:21	1
Manganese	**0.24**		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:02	1
Nickel	**0.019**	**J**	0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:02	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:15	04/09/14 01:02	1

Client Sample ID: IP-7(0-2)-040114D
Date Collected: 04/01/14 10:40
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-11
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:02	1
Zinc	**0.22**	**B**	0.10	0.020	mg/L		04/07/14 09:15	04/09/14 01:02	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9300**		11	2.1	mg/Kg	☼	04/02/14 15:30	04/03/14 22:23	1
Antimony	**0.49**	**J**	1.1	0.43	mg/Kg	☼	04/02/14 15:30	04/03/14 22:23	1
Arsenic	**5.6**		0.53	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 22:23	1
Barium	**43**		0.53	0.057	mg/Kg	☼	04/02/14 15:30	04/03/14 22:23	1
Beryllium	**0.46**		0.21	0.042	mg/Kg	☼	04/02/14 15:30	04/03/14 22:23	1
Cadmium	**0.64**	**B**	0.11	0.013	mg/Kg	☼	04/02/14 15:30	04/03/14 22:23	1
Calcium	**95000**	**B**	110	29	mg/Kg	☼	04/02/14 15:30	04/05/14 03:23	10
Chromium	**14**		0.53	0.061	mg/Kg	☼	04/02/14 15:30	04/03/14 22:23	1
Cobalt	**6.8**		0.26	0.053	mg/Kg	☼	04/02/14 15:30	04/03/14 22:23	1
Copper	**1200**		5.3	1.1	mg/Kg	☼	04/02/14 15:30	04/05/14 03:23	10
Iron	**14000**		11	4.4	mg/Kg	☼	04/02/14 15:30	04/03/14 22:23	1
Lead	**28**	**B**	0.26	0.079	mg/Kg	☼	04/02/14 15:30	04/03/14 22:23	1
Magnesium	**38000**	**B**	5.3	1.1	mg/Kg	☼	04/02/14 15:30	04/03/14 22:23	1
Manganese	**390**		0.53	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 22:23	1
Nickel	**24**	**^**	0.53	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 22:23	1
Potassium	**3300**		26	1.6	mg/Kg	☼	04/02/14 15:30	04/03/14 22:23	1
Selenium	<0.53		0.53	0.19	mg/Kg	☼	04/02/14 15:30	04/03/14 22:23	1
Silver	**0.15**	**J**	0.26	0.019	mg/Kg	☼	04/02/14 15:30	04/03/14 22:23	1
Sodium	**1000**		53	7.1	mg/Kg	☼	04/02/14 15:30	04/03/14 22:23	1
Thallium	**0.45**	**J**	0.53	0.22	mg/Kg	☼	04/02/14 15:30	04/03/14 22:23	1
Vanadium	**19**		0.26	0.039	mg/Kg	☼	04/02/14 15:30	04/03/14 22:23	1
Zinc	**48**		1.1	0.21	mg/Kg	☼	04/02/14 15:30	04/03/14 22:23	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 11:44	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.87**		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 12:37	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**40**		19	7.3	ug/Kg	☼	04/03/14 12:22	04/04/14 10:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.09**		0.200	0.200	SU			04/06/14 14:18	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: IP-9(0-2)-040114
Date Collected: 04/01/14 11:15
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-12
Matrix: Solid
Percent Solids: 84.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.6	ug/Kg	☼		04/03/14 18:58	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		04/03/14 18:58	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/03/14 18:58	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		04/03/14 18:58	1
Bromomethane	<5.9	*	5.9	1.8	ug/Kg	☼		04/03/14 18:58	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	☼		04/03/14 18:58	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		04/03/14 18:58	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		04/03/14 18:58	1
Chloroethane	<5.9	*	5.9	1.6	ug/Kg	☼		04/03/14 18:58	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		04/03/14 18:58	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		04/03/14 18:58	1
cis-1,2-Dichloroethene	<5.9		5.9	0.84	ug/Kg	☼		04/03/14 18:58	1
cis-1,3-Dichloropropene	<5.9		5.9	0.78	ug/Kg	☼		04/03/14 18:58	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/03/14 18:58	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		04/03/14 18:58	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/03/14 18:58	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		04/03/14 18:58	1
1,2-Dichloropropane	<5.9		5.9	0.90	ug/Kg	☼		04/03/14 18:58	1
1,3-Dichloropropene, Total	<5.9		5.9	0.78	ug/Kg	☼		04/03/14 18:58	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		04/03/14 18:58	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		04/03/14 18:58	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		04/03/14 18:58	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		04/03/14 18:58	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		04/03/14 18:58	1
Methyl tert-butyl ether	<5.9		5.9	0.98	ug/Kg	☼		04/03/14 18:58	1
Styrene	<5.9		5.9	0.78	ug/Kg	☼		04/03/14 18:58	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		04/03/14 18:58	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	☼		04/03/14 18:58	1
Toluene	<5.9		5.9	0.83	ug/Kg	☼		04/03/14 18:58	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		04/03/14 18:58	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		04/03/14 18:58	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/03/14 18:58	1
1,1,2-Trichloroethane	<5.9		5.9	0.81	ug/Kg	☼		04/03/14 18:58	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		04/03/14 18:58	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		04/03/14 18:58	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		04/03/14 18:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 122*		*04/03/14 18:58*	*1*
Dibromofluoromethane	*108*		*75 - 120*		*04/03/14 18:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 134*		*04/03/14 18:58*	*1*
Toluene-d8 (Surr)	*102*		*75 - 122*		*04/03/14 18:58*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: IP-9(0-2)-040114
Date Collected: 04/01/14 11:15
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-12
Matrix: Solid
Percent Solids: 84.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	86	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
2,4-Dinitrophenol	<760		760	670	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
2-Methylnaphthalene	**17**	**J**	38	7.0	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
2-Methylphenol	<190		190	61	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
2-Nitrophenol	<380		380	89	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
4,6-Dinitro-2-methylphenol	<380		380	300	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Acenaphthene	**10**	**J**	38	6.8	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Acenaphthylene	**7.9**	**J**	38	5.0	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Anthracene	**17**	**J**	38	6.3	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Benzo[a]anthracene	**24**	**J**	38	5.1	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Benzo[a]pyrene	**30**	**J**	38	7.3	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Benzo[b]fluoranthene	**39**		38	8.2	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Carbazole	<190		190	98	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Chrysene	**43**		38	10	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Dibenz(a,h)anthracene	<38		38	7.3	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Dibenzofuran	<190		190	44	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Fluoranthene	**59**		38	7.0	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Fluorene	**21**	**J**	38	5.3	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Hexachlorobenzene	<76		76	8.8	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Hexachloroethane	<190		190	57	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: IP-9(0-2)-040114
Date Collected: 04/01/14 11:15
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-12
Matrix: Solid
Percent Solids: 84.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	16	J	38	9.8	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Isophorone	<190		190	42	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Naphthalene	<38		38	5.8	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Nitrobenzene	<38		38	9.4	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Phenanthrene	100		38	5.3	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Phenol	<190		190	84	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1
Pyrene	68		38	7.5	ug/Kg	☼	04/04/14 07:10	04/08/14 14:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*70*		*35 - 137*	*04/04/14 07:10*	*04/08/14 14:44*	*1*
2-Fluorobiphenyl	*70*		*25 - 119*	*04/04/14 07:10*	*04/08/14 14:44*	*1*
2-Fluorophenol	*64*		*25 - 110*	*04/04/14 07:10*	*04/08/14 14:44*	*1*
Nitrobenzene-d5	*58*		*25 - 115*	*04/04/14 07:10*	*04/08/14 14:44*	*1*
Phenol-d5	*70*		*31 - 110*	*04/04/14 07:10*	*04/08/14 14:44*	*1*
Terphenyl-d14	*94*		*36 - 134*	*04/04/14 07:10*	*04/08/14 14:44*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/07/14 18:32	1
Barium	0.70		0.50	0.050	mg/L		04/07/14 07:30	04/07/14 18:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 07:30	04/07/14 18:32	1
Cadmium	0.0024	J	0.0050	0.0020	mg/L		04/07/14 07:30	04/07/14 18:32	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:32	1
Cobalt	0.22		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:32	1
Copper	0.027		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:32	1
Iron	0.55		0.20	0.20	mg/L		04/07/14 07:30	04/07/14 18:32	1
Lead	0.012		0.0075	0.0075	mg/L		04/07/14 07:30	04/07/14 18:32	1
Manganese	6.4		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:32	1
Nickel	0.048		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:32	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/07/14 18:32	1
Silver	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:32	1
Zinc	0.17		0.10	0.020	mg/L		04/07/14 07:30	04/07/14 18:32	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.022	J	0.050	0.010	mg/L		04/07/14 09:15	04/09/14 01:09	1
Barium	0.46	J	0.50	0.050	mg/L		04/07/14 09:15	04/09/14 01:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:15	04/09/14 01:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:15	04/09/14 01:09	1
Chromium	0.077		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:09	1
Cobalt	0.057		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:09	1
Copper	0.35		0.10	0.010	mg/L		04/07/14 09:15	04/09/14 01:09	1
Iron	71		0.20	0.20	mg/L		04/07/14 09:15	04/09/14 01:09	1
Lead	0.068		0.0075	0.0075	mg/L		04/10/14 09:45	04/11/14 05:27	1
Manganese	1.2		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:09	1
Nickel	0.091		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:09	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:15	04/09/14 01:09	1

Client Sample ID: IP-9(0-2)-040114
Date Collected: 04/01/14 11:15
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-12
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:09	1
Zinc	**0.39**	**B**	0.10	0.020	mg/L		04/07/14 09:15	04/09/14 01:09	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		11	2.2	mg/Kg	☼	04/02/14 15:30	04/03/14 22:29	1
Antimony	<1.1		1.1	0.45	mg/Kg	☼	04/02/14 15:30	04/03/14 22:29	1
Arsenic	**10**		0.56	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 22:29	1
Barium	**63**		0.56	0.060	mg/Kg	☼	04/02/14 15:30	04/03/14 22:29	1
Beryllium	**0.63**		0.22	0.045	mg/Kg	☼	04/02/14 15:30	04/03/14 22:29	1
Cadmium	**0.82**	**B**	0.11	0.014	mg/Kg	☼	04/02/14 15:30	04/03/14 22:29	1
Calcium	**43000**	**B**	11	3.0	mg/Kg	☼	04/02/14 15:30	04/03/14 22:29	1
Chromium	**18**		0.56	0.065	mg/Kg	☼	04/02/14 15:30	04/03/14 22:29	1
Cobalt	**16**		0.28	0.056	mg/Kg	☼	04/02/14 15:30	04/03/14 22:29	1
Copper	**25**		0.56	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 22:29	1
Iron	**19000**		11	4.6	mg/Kg	☼	04/02/14 15:30	04/03/14 22:29	1
Lead	**14**	**B**	0.28	0.083	mg/Kg	☼	04/02/14 15:30	04/03/14 22:29	1
Magnesium	**23000**	**B**	5.6	1.2	mg/Kg	☼	04/02/14 15:30	04/03/14 22:29	1
Manganese	**410**		0.56	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 22:29	1
Nickel	**25**	**^**	0.56	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 22:29	1
Potassium	**3200**		28	1.7	mg/Kg	☼	04/02/14 15:30	04/03/14 22:29	1
Selenium	<0.56		0.56	0.20	mg/Kg	☼	04/02/14 15:30	04/03/14 22:29	1
Silver	<0.28		0.28	0.020	mg/Kg	☼	04/02/14 15:30	04/03/14 22:29	1
Sodium	**980**		56	7.5	mg/Kg	☼	04/02/14 15:30	04/03/14 22:29	1
Thallium	**0.53**	**J**	0.56	0.24	mg/Kg	☼	04/02/14 15:30	04/03/14 22:29	1
Vanadium	**26**		0.28	0.041	mg/Kg	☼	04/02/14 15:30	04/03/14 22:29	1
Zinc	**44**		1.1	0.23	mg/Kg	☼	04/02/14 15:30	04/03/14 22:29	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 11:45	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.11**	**J**	0.20	0.020	ug/L		04/07/14 16:10	04/08/14 12:39	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**22**		17	6.7	ug/Kg	☼	04/03/14 12:22	04/04/14 10:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.18**		0.200	0.200	SU			04/06/14 14:20	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: IP-11(0-4)-040114
Date Collected: 04/01/14 11:20
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-13
Matrix: Solid
Percent Solids: 81.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**60**		6.2	2.7	ug/Kg	☼		04/03/14 19:21	1
Benzene	<6.2		6.2	0.85	ug/Kg	☼		04/03/14 19:21	1
Bromodichloromethane	<6.2		6.2	1.1	ug/Kg	☼		04/03/14 19:21	1
Bromoform	<6.2		6.2	1.4	ug/Kg	☼		04/03/14 19:21	1
Bromomethane	<6.2	*	6.2	1.9	ug/Kg	☼		04/03/14 19:21	1
Carbon disulfide	<6.2		6.2	0.92	ug/Kg	☼		04/03/14 19:21	1
Carbon tetrachloride	<6.2		6.2	1.1	ug/Kg	☼		04/03/14 19:21	1
Chlorobenzene	<6.2		6.2	0.63	ug/Kg	☼		04/03/14 19:21	1
Chloroethane	<6.2	*	6.2	1.7	ug/Kg	☼		04/03/14 19:21	1
Chloroform	<6.2		6.2	0.71	ug/Kg	☼		04/03/14 19:21	1
Chloromethane	<6.2		6.2	1.3	ug/Kg	☼		04/03/14 19:21	1
cis-1,2-Dichloroethene	<6.2		6.2	0.87	ug/Kg	☼		04/03/14 19:21	1
cis-1,3-Dichloropropene	<6.2		6.2	0.81	ug/Kg	☼		04/03/14 19:21	1
Dibromochloromethane	<6.2		6.2	1.1	ug/Kg	☼		04/03/14 19:21	1
1,1-Dichloroethane	<6.2		6.2	0.98	ug/Kg	☼		04/03/14 19:21	1
1,2-Dichloroethane	<6.2		6.2	0.91	ug/Kg	☼		04/03/14 19:21	1
1,1-Dichloroethene	<6.2		6.2	1.0	ug/Kg	☼		04/03/14 19:21	1
1,2-Dichloropropane	<6.2		6.2	0.94	ug/Kg	☼		04/03/14 19:21	1
1,3-Dichloropropene, Total	<6.2		6.2	0.81	ug/Kg	☼		04/03/14 19:21	1
Ethylbenzene	<6.2		6.2	1.2	ug/Kg	☼		04/03/14 19:21	1
2-Hexanone	<6.2		6.2	1.8	ug/Kg	☼		04/03/14 19:21	1
Methylene Chloride	<6.2		6.2	1.7	ug/Kg	☼		04/03/14 19:21	1
Methyl Ethyl Ketone	**12**		6.2	2.2	ug/Kg	☼		04/03/14 19:21	1
methyl isobutyl ketone	<6.2		6.2	1.6	ug/Kg	☼		04/03/14 19:21	1
Methyl tert-butyl ether	<6.2		6.2	1.0	ug/Kg	☼		04/03/14 19:21	1
Styrene	<6.2		6.2	0.81	ug/Kg	☼		04/03/14 19:21	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	1.2	ug/Kg	☼		04/03/14 19:21	1
Tetrachloroethene	<6.2		6.2	0.94	ug/Kg	☼		04/03/14 19:21	1
Toluene	<6.2		6.2	0.86	ug/Kg	☼		04/03/14 19:21	1
trans-1,2-Dichloroethene	<6.2		6.2	0.85	ug/Kg	☼		04/03/14 19:21	1
trans-1,3-Dichloropropene	<6.2		6.2	1.1	ug/Kg	☼		04/03/14 19:21	1
1,1,1-Trichloroethane	<6.2		6.2	0.92	ug/Kg	☼		04/03/14 19:21	1
1,1,2-Trichloroethane	<6.2		6.2	0.84	ug/Kg	☼		04/03/14 19:21	1
Trichloroethene	<6.2		6.2	1.0	ug/Kg	☼		04/03/14 19:21	1
Vinyl chloride	<6.2		6.2	1.3	ug/Kg	☼		04/03/14 19:21	1
Xylenes, Total	<12		12	0.56	ug/Kg	☼		04/03/14 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 122*		*04/03/14 19:21*	*1*
Dibromofluoromethane	*110*		*75 - 120*		*04/03/14 19:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 134*		*04/03/14 19:21*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*04/03/14 19:21*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: IP-11(0-4)-040114
Date Collected: 04/01/14 11:20
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-13
Matrix: Solid
Percent Solids: 81.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	91	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
2,4-Dinitrophenol	<810		810	700	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
2-Methylnaphthalene	<40		40	7.3	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
2-Methylphenol	<200		200	64	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
2-Nitrophenol	<400		400	94	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Anthracene	<40		40	6.7	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Benzo[a]anthracene	**12**	**J**	40	5.4	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Benzo[a]pyrene	**38**	**J**	40	7.7	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Benzo[b]fluoranthene	**31**	**J**	40	8.6	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Benzo[g,h,i]perylene	**20**	**J**	40	13	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Benzo[k]fluoranthene	**18**	**J**	40	12	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Carbazole	<200		200	100	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Chrysene	**18**	**J**	40	11	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Dibenz(a,h)anthracene	<40		40	7.7	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Dibenzofuran	<200		200	47	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Fluoranthene	**28**	**J**	40	7.4	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Fluorene	<40		40	5.6	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Hexachloroethane	<200		200	61	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: IP-11(0-4)-040114
Date Collected: 04/01/14 11:20
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-13
Matrix: Solid
Percent Solids: 81.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	26	J	40	10	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Isophorone	<200		200	45	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Naphthalene	<40		40	6.1	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Nitrobenzene	<40		40	10	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Phenanthrene	33	J	40	5.6	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Phenol	<200		200	89	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1
Pyrene	34	J	40	7.9	ug/Kg	☼	04/04/14 07:10	04/07/14 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*77*		*35 - 137*	*04/04/14 07:10*	*04/07/14 19:40*	*1*
2-Fluorobiphenyl	*62*		*25 - 119*	*04/04/14 07:10*	*04/07/14 19:40*	*1*
2-Fluorophenol	*62*		*25 - 110*	*04/04/14 07:10*	*04/07/14 19:40*	*1*
Nitrobenzene-d5	*63*		*25 - 115*	*04/04/14 07:10*	*04/07/14 19:40*	*1*
Phenol-d5	*64*		*31 - 110*	*04/04/14 07:10*	*04/07/14 19:40*	*1*
Terphenyl-d14	*130*		*36 - 134*	*04/04/14 07:10*	*04/07/14 19:40*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/07/14 18:37	1
Barium	0.76		0.50	0.050	mg/L		04/07/14 07:30	04/07/14 18:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 07:30	04/07/14 18:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 07:30	04/07/14 18:37	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:37	1
Cobalt	0.036		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:37	1
Copper	0.014	J	0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:37	1
Iron	0.30		0.20	0.20	mg/L		04/07/14 07:30	04/07/14 18:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/07/14 07:30	04/07/14 18:37	1
Manganese	7.7		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:37	1
Nickel	0.022	J	0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:37	1
Selenium	0.017	J B	0.050	0.010	mg/L		04/07/14 07:30	04/07/14 18:37	1
Silver	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:37	1
Zinc	0.14		0.10	0.020	mg/L		04/07/14 07:30	04/07/14 18:37	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 09:15	04/09/14 01:15	1
Barium	0.29	J	0.50	0.050	mg/L		04/07/14 09:15	04/09/14 01:15	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:15	04/09/14 01:15	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:15	04/09/14 01:15	1
Chromium	0.013	J	0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:15	1
Cobalt	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:15	1
Copper	0.11		0.10	0.010	mg/L		04/07/14 09:15	04/09/14 01:15	1
Iron	11		0.20	0.20	mg/L		04/07/14 09:15	04/09/14 01:15	1
Lead	0.059		0.0075	0.0075	mg/L		04/10/14 09:45	04/11/14 05:33	1
Manganese	0.55		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:15	1
Nickel	0.017	J	0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:15	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:15	04/09/14 01:15	1

Client Sample ID: IP-11(0-4)-040114
Date Collected: 04/01/14 11:20
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-13
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:15	1
Zinc	**0.13**	**B**	0.10	0.020	mg/L		04/07/14 09:15	04/09/14 01:15	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**20000**		11	2.3	mg/Kg	☼	04/02/14 15:30	04/03/14 22:35	1
Antimony	<1.1		1.1	0.46	mg/Kg	☼	04/02/14 15:30	04/03/14 22:35	1
Arsenic	**11**		0.57	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 22:35	1
Barium	**93**		0.57	0.061	mg/Kg	☼	04/02/14 15:30	04/03/14 22:35	1
Beryllium	**0.87**		0.23	0.045	mg/Kg	☼	04/02/14 15:30	04/03/14 22:35	1
Cadmium	**0.82**	**B**	0.11	0.014	mg/Kg	☼	04/02/14 15:30	04/03/14 22:35	1
Calcium	**12000**	**B**	11	3.1	mg/Kg	☼	04/02/14 15:30	04/03/14 22:35	1
Chromium	**25**		0.57	0.066	mg/Kg	☼	04/02/14 15:30	04/03/14 22:35	1
Cobalt	**14**		0.28	0.057	mg/Kg	☼	04/02/14 15:30	04/03/14 22:35	1
Copper	**35**		0.57	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 22:35	1
Iron	**25000**		11	4.7	mg/Kg	☼	04/02/14 15:30	04/03/14 22:35	1
Lead	**18**	**B**	0.28	0.084	mg/Kg	☼	04/02/14 15:30	04/03/14 22:35	1
Magnesium	**10000**	**B**	5.7	1.2	mg/Kg	☼	04/02/14 15:30	04/03/14 22:35	1
Manganese	**340**		0.57	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 22:35	1
Nickel	**33**	**^**	0.57	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 22:35	1
Potassium	**3300**		28	1.7	mg/Kg	☼	04/02/14 15:30	04/03/14 22:35	1
Selenium	**0.45**	**J**	0.57	0.20	mg/Kg	☼	04/02/14 15:30	04/03/14 22:35	1
Silver	<0.28		0.28	0.021	mg/Kg	☼	04/02/14 15:30	04/03/14 22:35	1
Sodium	**1800**		57	7.6	mg/Kg	☼	04/02/14 15:30	04/03/14 22:35	1
Thallium	**0.65**		0.57	0.24	mg/Kg	☼	04/02/14 15:30	04/03/14 22:35	1
Vanadium	**35**		0.28	0.042	mg/Kg	☼	04/02/14 15:30	04/03/14 22:35	1
Zinc	**49**		1.1	0.23	mg/Kg	☼	04/02/14 15:30	04/03/14 22:35	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 11:47	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.12**	**J**	0.20	0.020	ug/L		04/07/14 16:10	04/08/14 12:41	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**40**		18	7.0	ug/Kg	☼	04/03/14 12:22	04/04/14 10:19	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.99**		0.200	0.200	SU			04/06/14 14:22	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
F1	MS and/or MSD Recovery exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F3	Duplicate RPD exceeds the control limit
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONM

2417 Bond Street, University Pa
Phone: 708.534.5200 Fax:

500-74264 COC

(optional)

Report To
Contact: S. Babusukumar
Company: Weston
Address: 150 B. Bunker Court Suite 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4019
Fax:
E-Mail:

(optional)

Bill To
Contact:
Company:
Address: SAME
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74264
Chain of Custody Number:
Page 1 of 3
Temperature °C of Cooler: 3.5

Client: Weston
Client Project #:
Project Name: IDOT-050[redacted]
Project Location/State: McCook, IL
Lab Project #:
Sampler: Dan Cukierski
Lab PM:

Preservative
Parameter

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Total Aluminum	PCBs			Comments
1		IP-13(0-4)-040114	4/1/14	0800	2	S	X	X	X	X	X	X				
2		IP-13(0-4)-040114D	4/1/14	0800	2	S	X	X	X	X	X	X				
3		IP-14(0-4)-040114	4/1/14	0820	2	S	X	X	X	X	X	X				
4		IP-15(0-4)-040114	4/1/14	0830	2	S	X	X	X	X	X	X				
5		EL-6(0-2)-040114	4/1/14	0855	2	S	X	X	X	X	X					
6		EL-5(0-2)-040114	4/1/14	0910	2	S	X	X	X	X	X					
7		EL-4(0-2)-040114	4/1/14	0915	2	S	X	X	X	X	X					
8		EL71-4(0-4.3)-040114	4/1/14	0945	2	S	X	X	X	X	X					
9		IP-6(0-4)-040114	4/1/14	1015	2	S	X	X	X	X	X	X				
10		IP-7(0-2)-040114	4/1/14	1040	2	S	X	X	X	X	X	X				

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Turnaround Time Required (Business Days)
___1 Day ___2 Days ___5 Days ___7 Days ___10 Days ___15 Days Standard ___Other
Requested Due Date

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	4/1/14	1529		TA	4/1/14	1530
	TA	4/1/14	1648		TA	4/2/14	0700

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TestAmerica

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2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500-74264

Chain of Custody Number:

Page 2 of 3

Temperature °C of Cooler:

Report To (optional)		Bill To (optional)	
Contact:	S. Babu Sukumar	Contact:	
Company:	Weston	Company:	
Address:	750 E. Bunker Court Suite 500	Address:	
Address:	Vernon Hills, IL 60061	Address:	SAMP
Phone:	847-918-4018	Phone:	
Fax:		Fax:	
E-Mail:		PO#/Reference#	

Client: Weston | Client Project #:

Project Name: IDOT OSO[redacted]

Project Location/State: McCook, IL | Lab Project #:

Sampler: Dan Cukierski | Lab PM:

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Total Aluminum	PCBs			Comments
11		IP-7(0-2)-040114D	4/1/14	1040	2	S	X	X	X	X	X	X				
12		IP-9(0-2)-040114	4/1/14	1115	2	S	X	X	X	X	X	X				
13		IP-11(0-4)-040114	4/1/14	1120	2	S	X	X	X	X	X	X				
14		EL-2(0-2)-040114	4/1/14	1150	2	S	X	X	X	X	X					
15		EL-3(0-2)-040114	4/1/14	1205	2	S	X	X	X	X	X					
16		CR-2(0-3)-040114	4/1/14	1235	2	S	X	X	X	X	X					
17		CR-2(3-7)-~~040114~~040114	4/1/14	1240	2	S	X	X	X	X	X					
18		IC-4(0-5)-040114	4/1/14	1310	2	S	X	X	X	X	X		X			
19		IC-4(5-9.5)-040114	4/1/14	1315	2	S	X	X	X	X	X		X			
20		IC-3(0-5)-040114	4/1/14	1340	2	S	X	X	X	X	X		X			

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard ___ Other
Requested Due Date _____

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
DD	Weston	4/1/14	1529		TA	4/1/14	1530
	TA	4/1/14	1648		TA	4/2/14	0700

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-74263-1
Client Project/Site: IDOT - Lyons, McCook, Summit - 050

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar

Authorized for release by:
4/11/2014 10:44:47 AM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client Sample ID: IP-1(0-2)-040114
Date Collected: 04/01/14 09:35
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-5
Matrix: Solid
Percent Solids: 86.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	13		5.8	2.5	ug/Kg	☼		04/02/14 14:09	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		04/02/14 14:09	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/02/14 14:09	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		04/02/14 14:09	1
Bromomethane	<5.8		5.8	1.8	ug/Kg	☼		04/02/14 14:09	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		04/02/14 14:09	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		04/02/14 14:09	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		04/02/14 14:09	1
Chloroethane	<5.8	*	5.8	1.6	ug/Kg	☼		04/02/14 14:09	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		04/02/14 14:09	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		04/02/14 14:09	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		04/02/14 14:09	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		04/02/14 14:09	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/02/14 14:09	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		04/02/14 14:09	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		04/02/14 14:09	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		04/02/14 14:09	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		04/02/14 14:09	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		04/02/14 14:09	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		04/02/14 14:09	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		04/02/14 14:09	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		04/02/14 14:09	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		04/02/14 14:09	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		04/02/14 14:09	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		04/02/14 14:09	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		04/02/14 14:09	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		04/02/14 14:09	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		04/02/14 14:09	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		04/02/14 14:09	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		04/02/14 14:09	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		04/02/14 14:09	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		04/02/14 14:09	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		04/02/14 14:09	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		04/02/14 14:09	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		04/02/14 14:09	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/02/14 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 122*		*04/02/14 14:09*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*04/02/14 14:09*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 134*		*04/02/14 14:09*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*04/02/14 14:09*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: IP-1(0-2)-040114
Date Collected: 04/01/14 09:35
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-5
Matrix: Solid
Percent Solids: 86.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
2-Methylphenol	<190		190	62	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Anthracene	<38		38	6.4	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Carbazole	<190		190	99	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Chrysene	**10**	**J**	38	10	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Dibenzofuran	<190		190	45	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Fluoranthene	**10**	**J**	38	7.1	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Fluorene	<38		38	5.4	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Hexachloroethane	<190		190	58	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: IP-1(0-2)-040114
Date Collected: 04/01/14 09:35
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-5
Matrix: Solid
Percent Solids: 86.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	10	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Isophorone	<190		190	43	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Naphthalene	<38		38	5.9	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Phenanthrene	**21**	**J**	38	5.4	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Phenol	<190		190	85	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1
Pyrene	**13**	**J**	38	7.6	ug/Kg	☼	04/03/14 07:22	04/04/14 13:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*77*		*35 - 137*	*04/03/14 07:22*	*04/04/14 13:22*	*1*
2-Fluorobiphenyl	*70*		*25 - 119*	*04/03/14 07:22*	*04/04/14 13:22*	*1*
2-Fluorophenol	*53*		*25 - 110*	*04/03/14 07:22*	*04/04/14 13:22*	*1*
Nitrobenzene-d5	*54*		*25 - 115*	*04/03/14 07:22*	*04/04/14 13:22*	*1*
Phenol-d5	*58*		*31 - 110*	*04/03/14 07:22*	*04/04/14 13:22*	*1*
Terphenyl-d14	*95*		*36 - 134*	*04/03/14 07:22*	*04/04/14 13:22*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 17:38	1
Barium	**0.51**		0.50	0.050	mg/L		04/04/14 10:15	04/04/14 17:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/14 10:15	04/04/14 17:38	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/14 10:15	04/04/14 17:38	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:38	1
Cobalt	**0.020**	**J**	0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:38	1
Copper	**0.027**		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:38	1
Iron	<0.20		0.20	0.20	mg/L		04/04/14 10:15	04/04/14 17:38	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/04/14 10:15	04/04/14 17:38	1
Manganese	**5.5**		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:38	1
Nickel	**0.017**	**J**	0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:38	1
Selenium	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 17:38	1
Silver	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:38	1
Zinc	**0.15**		0.10	0.020	mg/L		04/04/14 10:15	04/04/14 17:38	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/07/14 23:41	1
Barium	**0.50**		0.50	0.050	mg/L		04/07/14 09:00	04/07/14 23:41	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:00	04/07/14 23:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:00	04/07/14 23:41	1
Chromium	**0.020**	**J**	0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:41	1
Cobalt	**0.022**	**J**	0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:41	1
Copper	**0.092**		0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:41	1
Iron	**14**		0.20	0.20	mg/L		04/07/14 09:00	04/07/14 23:41	1
Lead	**0.052**		0.0075	0.0075	mg/L		04/07/14 09:00	04/07/14 23:41	1
Manganese	**1.1**		0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:41	1
Nickel	**0.035**		0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:41	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/07/14 23:41	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: IP-1(0-2)-040114
Date Collected: 04/01/14 09:35
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-5
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025	^	0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:41	1
Zinc	0.37		0.10	0.020	mg/L		04/07/14 09:00	04/07/14 23:41	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	11000		11	2.3	mg/Kg	☼	04/02/14 15:30	04/04/14 01:24	1
Antimony	0.52	J	1.1	0.46	mg/Kg	☼	04/02/14 15:30	04/04/14 01:24	1
Arsenic	10		0.57	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 01:24	1
Barium	40		0.57	0.061	mg/Kg	☼	04/02/14 15:30	04/04/14 01:24	1
Beryllium	0.55		0.23	0.046	mg/Kg	☼	04/02/14 15:30	04/04/14 01:24	1
Cadmium	0.91		0.11	0.014	mg/Kg	☼	04/02/14 15:30	04/04/14 01:24	1
Calcium	41000	B	11	3.1	mg/Kg	☼	04/02/14 15:30	04/04/14 01:24	1
Chromium	15		0.57	0.066	mg/Kg	☼	04/02/14 15:30	04/04/14 01:24	1
Cobalt	9.7		0.28	0.057	mg/Kg	☼	04/02/14 15:30	04/04/14 01:24	1
Copper	40		0.57	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 01:24	1
Iron	21000		11	4.7	mg/Kg	☼	04/02/14 15:30	04/04/14 01:24	1
Lead	15	B	0.28	0.085	mg/Kg	☼	04/02/14 15:30	04/04/14 01:24	1
Magnesium	26000	B	5.7	1.2	mg/Kg	☼	04/02/14 15:30	04/04/14 01:24	1
Manganese	380		0.57	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 01:24	1
Nickel	28	^	0.57	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 01:24	1
Potassium	2900		28	1.7	mg/Kg	☼	04/02/14 15:30	04/04/14 01:24	1
Selenium	<0.57		0.57	0.20	mg/Kg	☼	04/02/14 15:30	04/04/14 01:24	1
Silver	0.043	J	0.28	0.021	mg/Kg	☼	04/02/14 15:30	04/04/14 01:24	1
Sodium	1500		57	7.6	mg/Kg	☼	04/02/14 15:30	04/04/14 01:24	1
Thallium	0.92		0.57	0.24	mg/Kg	☼	04/02/14 15:30	04/04/14 01:24	1
Vanadium	20		0.28	0.042	mg/Kg	☼	04/02/14 15:30	04/04/14 01:24	1
Zinc	48		1.1	0.23	mg/Kg	☼	04/02/14 15:30	04/04/14 01:24	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.044	J B	0.20	0.020	ug/L		04/04/14 15:00	04/07/14 12:49	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.31		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 10:10	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	36		17	6.6	ug/Kg	☼	04/02/14 14:30	04/03/14 09:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.12		0.200	0.200	SU			04/06/14 13:20	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: IP-2(0-4)-040114
Date Collected: 04/01/14 09:45
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-6
Matrix: Solid
Percent Solids: 84.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**63**		5.9	2.6	ug/Kg	☼		04/02/14 14:33	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		04/02/14 14:33	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/02/14 14:33	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		04/02/14 14:33	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		04/02/14 14:33	1
Carbon disulfide	<5.9		5.9	0.89	ug/Kg	☼		04/02/14 14:33	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		04/02/14 14:33	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		04/02/14 14:33	1
Chloroethane	<5.9	*	5.9	1.6	ug/Kg	☼		04/02/14 14:33	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		04/02/14 14:33	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 14:33	1
cis-1,2-Dichloroethene	<5.9		5.9	0.84	ug/Kg	☼		04/02/14 14:33	1
cis-1,3-Dichloropropene	<5.9		5.9	0.78	ug/Kg	☼		04/02/14 14:33	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/02/14 14:33	1
1,1-Dichloroethane	<5.9		5.9	0.94	ug/Kg	☼		04/02/14 14:33	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/02/14 14:33	1
1,1-Dichloroethene	<5.9		5.9	0.96	ug/Kg	☼		04/02/14 14:33	1
1,2-Dichloropropane	<5.9		5.9	0.90	ug/Kg	☼		04/02/14 14:33	1
1,3-Dichloropropene, Total	<5.9		5.9	0.78	ug/Kg	☼		04/02/14 14:33	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 14:33	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		04/02/14 14:33	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		04/02/14 14:33	1
Methyl Ethyl Ketone	**14**		5.9	2.2	ug/Kg	☼		04/02/14 14:33	1
methyl isobutyl ketone	<5.9		5.9	1.6	ug/Kg	☼		04/02/14 14:33	1
Methyl tert-butyl ether	<5.9		5.9	0.98	ug/Kg	☼		04/02/14 14:33	1
Styrene	<5.9		5.9	0.78	ug/Kg	☼		04/02/14 14:33	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 14:33	1
Tetrachloroethene	<5.9		5.9	0.91	ug/Kg	☼		04/02/14 14:33	1
Toluene	<5.9		5.9	0.83	ug/Kg	☼		04/02/14 14:33	1
trans-1,2-Dichloroethene	<5.9		5.9	0.82	ug/Kg	☼		04/02/14 14:33	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		04/02/14 14:33	1
1,1,1-Trichloroethane	<5.9		5.9	0.89	ug/Kg	☼		04/02/14 14:33	1
1,1,2-Trichloroethane	<5.9		5.9	0.81	ug/Kg	☼		04/02/14 14:33	1
Trichloroethene	<5.9		5.9	0.98	ug/Kg	☼		04/02/14 14:33	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 14:33	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		04/02/14 14:33	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 122*		*04/02/14 14:33*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*04/02/14 14:33*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 134*		*04/02/14 14:33*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*04/02/14 14:33*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1

Client Sample ID: IP-2(0-4)-040114
Date Collected: 04/01/14 09:45
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-6
Matrix: Solid
Percent Solids: 84.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
2-Methylnaphthalene	**42**		39	7.2	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
2-Methylphenol	<200		200	63	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Anthracene	<39		39	6.6	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Benzo[a]anthracene	**16**	**J**	39	5.3	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Benzo[a]pyrene	**13**	**J**	39	7.6	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Benzo[b]fluoranthene	**25**	**J**	39	8.5	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Carbazole	<200		200	100	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Chrysene	**26**	**J**	39	11	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Dibenzofuran	<200		200	46	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Fluoranthene	**30**	**J**	39	7.3	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Fluorene	**11**	**J**	39	5.5	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Hexachlorocyclopentadiene	<790		790	230	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Hexachloroethane	<200		200	60	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1

Client Sample ID: IP-2(0-4)-040114
Date Collected: 04/01/14 09:45
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-6
Matrix: Solid
Percent Solids: 84.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Isophorone	<200		200	44	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Naphthalene	**9.2**	**J**	39	6.1	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Phenanthrene	**65**		39	5.5	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Phenol	<200		200	87	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1
Pyrene	**48**		39	7.8	ug/Kg	☼	04/03/14 07:22	04/04/14 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*70*		*35 - 137*	*04/03/14 07:22*	*04/04/14 13:45*	*1*
2-Fluorobiphenyl	*57*		*25 - 119*	*04/03/14 07:22*	*04/04/14 13:45*	*1*
2-Fluorophenol	*38*		*25 - 110*	*04/03/14 07:22*	*04/04/14 13:45*	*1*
Nitrobenzene-d5	*41*		*25 - 115*	*04/03/14 07:22*	*04/04/14 13:45*	*1*
Phenol-d5	*46*		*31 - 110*	*04/03/14 07:22*	*04/04/14 13:45*	*1*
Terphenyl-d14	*96*		*36 - 134*	*04/03/14 07:22*	*04/04/14 13:45*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 17:45	1
Barium	**0.73**		0.50	0.050	mg/L		04/04/14 10:15	04/04/14 17:45	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/14 10:15	04/04/14 17:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/14 10:15	04/04/14 17:45	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:45	1
Cobalt	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:45	1
Copper	**0.044**		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:45	1
Iron	<0.20		0.20	0.20	mg/L		04/04/14 10:15	04/04/14 17:45	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/04/14 10:15	04/04/14 17:45	1
Manganese	**3.6**		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:45	1
Nickel	**0.016**	**J**	0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:45	1
Selenium	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 17:45	1
Silver	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:45	1
Zinc	**0.22**		0.10	0.020	mg/L		04/04/14 10:15	04/04/14 17:45	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/07/14 23:47	1
Barium	**0.36**	**J**	0.50	0.050	mg/L		04/07/14 09:00	04/07/14 23:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:00	04/07/14 23:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:00	04/07/14 23:47	1
Chromium	**0.010**	**J**	0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:47	1
Cobalt	**0.012**	**J**	0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:47	1
Copper	**0.049**		0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:47	1
Iron	**6.6**		0.20	0.20	mg/L		04/07/14 09:00	04/07/14 23:47	1
Lead	**0.034**		0.0075	0.0075	mg/L		04/07/14 09:00	04/07/14 23:47	1
Manganese	**0.91**		0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:47	1
Nickel	**0.015**	**J**	0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:47	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/07/14 23:47	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: IP-2(0-4)-040114
Date Collected: 04/01/14 09:45
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-6
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025	^	0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:47	1
Zinc	**0.32**		0.10	0.020	mg/L		04/07/14 09:00	04/07/14 23:47	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		11	2.3	mg/Kg	☼	04/02/14 15:30	04/04/14 01:30	1
Antimony	<1.1		1.1	0.46	mg/Kg	☼	04/02/14 15:30	04/04/14 01:30	1
Arsenic	**5.8**		0.57	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 01:30	1
Barium	**54**		0.57	0.061	mg/Kg	☼	04/02/14 15:30	04/04/14 01:30	1
Beryllium	**0.63**		0.23	0.045	mg/Kg	☼	04/02/14 15:30	04/04/14 01:30	1
Cadmium	**0.82**		0.11	0.014	mg/Kg	☼	04/02/14 15:30	04/04/14 01:30	1
Calcium	**55000**	**B**	11	3.1	mg/Kg	☼	04/02/14 15:30	04/04/14 01:30	1
Chromium	**19**		0.57	0.066	mg/Kg	☼	04/02/14 15:30	04/04/14 01:30	1
Cobalt	**11**		0.28	0.057	mg/Kg	☼	04/02/14 15:30	04/04/14 01:30	1
Copper	**26**		0.57	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 01:30	1
Iron	**19000**		11	4.7	mg/Kg	☼	04/02/14 15:30	04/04/14 01:30	1
Lead	**11**	**B**	0.28	0.084	mg/Kg	☼	04/02/14 15:30	04/04/14 01:30	1
Magnesium	**26000**	**B**	5.7	1.2	mg/Kg	☼	04/02/14 15:30	04/04/14 01:30	1
Manganese	**370**		0.57	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 01:30	1
Nickel	**28**	**^**	0.57	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 01:30	1
Potassium	**4200**		28	1.7	mg/Kg	☼	04/02/14 15:30	04/04/14 01:30	1
Selenium	<0.57		0.57	0.20	mg/Kg	☼	04/02/14 15:30	04/04/14 01:30	1
Silver	**0.030**	**J**	0.28	0.021	mg/Kg	☼	04/02/14 15:30	04/04/14 01:30	1
Sodium	**1100**		57	7.6	mg/Kg	☼	04/02/14 15:30	04/04/14 01:30	1
Thallium	**0.56**	**J**	0.57	0.24	mg/Kg	☼	04/02/14 15:30	04/04/14 01:30	1
Vanadium	**23**		0.28	0.042	mg/Kg	☼	04/02/14 15:30	04/04/14 01:30	1
Zinc	**39**		1.1	0.23	mg/Kg	☼	04/02/14 15:30	04/04/14 01:30	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.043**	**J B**	0.20	0.020	ug/L		04/04/14 15:00	04/07/14 12:51	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.093**	**J**	0.20	0.020	ug/L		04/07/14 16:10	04/08/14 10:12	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**26**		18	7.1	ug/Kg	☼	04/02/14 14:30	04/03/14 09:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.99**		0.200	0.200	SU			04/06/14 13:22	1

Client Sample ID: IP-5(0-2)-040114
Date Collected: 04/01/14 10:00
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-7
Matrix: Solid
Percent Solids: 85.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.5	ug/Kg	☼		04/02/14 14:57	1
Benzene	<5.9		5.9	0.80	ug/Kg	☼		04/02/14 14:57	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/02/14 14:57	1
Bromoform	<5.9		5.9	1.3	ug/Kg	☼		04/02/14 14:57	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		04/02/14 14:57	1
Carbon disulfide	<5.9		5.9	0.87	ug/Kg	☼		04/02/14 14:57	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		04/02/14 14:57	1
Chlorobenzene	<5.9		5.9	0.59	ug/Kg	☼		04/02/14 14:57	1
Chloroethane	<5.9	*	5.9	1.6	ug/Kg	☼		04/02/14 14:57	1
Chloroform	<5.9		5.9	0.67	ug/Kg	☼		04/02/14 14:57	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 14:57	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	☼		04/02/14 14:57	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	☼		04/02/14 14:57	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/02/14 14:57	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		04/02/14 14:57	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		04/02/14 14:57	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		04/02/14 14:57	1
1,2-Dichloropropane	<5.9		5.9	0.89	ug/Kg	☼		04/02/14 14:57	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	☼		04/02/14 14:57	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 14:57	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		04/02/14 14:57	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		04/02/14 14:57	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		04/02/14 14:57	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		04/02/14 14:57	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	☼		04/02/14 14:57	1
Styrene	<5.9		5.9	0.77	ug/Kg	☼		04/02/14 14:57	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 14:57	1
Tetrachloroethene	<5.9		5.9	0.89	ug/Kg	☼		04/02/14 14:57	1
Toluene	<5.9		5.9	0.82	ug/Kg	☼		04/02/14 14:57	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		04/02/14 14:57	1
trans-1,3-Dichloropropene	<5.9		5.9	1.0	ug/Kg	☼		04/02/14 14:57	1
1,1,1-Trichloroethane	<5.9		5.9	0.87	ug/Kg	☼		04/02/14 14:57	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	☼		04/02/14 14:57	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		04/02/14 14:57	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 14:57	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/02/14 14:57	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*94*		*70 - 122*		*04/02/14 14:57*	*1*
Dibromofluoromethane	*108*		*75 - 120*		*04/02/14 14:57*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 134*		*04/02/14 14:57*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*04/02/14 14:57*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: IP-5(0-2)-040114
Date Collected: 04/01/14 10:00
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-7
Matrix: Solid
Percent Solids: 85.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	84	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
2-Methylnaphthalene	**8.9**	**J**	37	6.8	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
2-Methylphenol	<190		190	59	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Acenaphthene	**11**	**J**	37	6.6	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Acenaphthylene	**23**	**J**	37	4.9	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Anthracene	**49**		37	6.2	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Benzo[a]anthracene	**170**		37	5.0	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Benzo[a]pyrene	**160**		37	7.2	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Benzo[b]fluoranthene	**220**		37	8.0	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Benzo[g,h,i]perylene	**150**		37	12	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Benzo[k]fluoranthene	**96**		37	11	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Carbazole	<190		190	96	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Chrysene	**220**		37	10	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Dibenz(a,h)anthracene	**43**		37	7.1	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Dibenzofuran	<190		190	43	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Fluoranthene	**240**		37	6.9	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Fluorene	**17**	**J**	37	5.2	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Hexachloroethane	<190		190	56	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: IP-5(0-2)-040114
Date Collected: 04/01/14 10:00
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-7
Matrix: Solid
Percent Solids: 85.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**130**		37	9.6	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Isophorone	<190		190	42	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Naphthalene	<37		37	5.7	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
N-Nitrosodi-n-propylamine	<190		190	45	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Pentachlorophenol	<750		750	590	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Phenanthrene	**170**		37	5.2	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Phenol	<190		190	82	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1
Pyrene	**360**		37	7.3	ug/Kg	☼	04/03/14 07:22	04/04/14 19:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*64*		*35 - 137*	*04/03/14 07:22*	*04/04/14 19:43*	*1*
2-Fluorobiphenyl	*64*		*25 - 119*	*04/03/14 07:22*	*04/04/14 19:43*	*1*
2-Fluorophenol	*41*		*25 - 110*	*04/03/14 07:22*	*04/04/14 19:43*	*1*
Nitrobenzene-d5	*44*		*25 - 115*	*04/03/14 07:22*	*04/04/14 19:43*	*1*
Phenol-d5	*51*		*31 - 110*	*04/03/14 07:22*	*04/04/14 19:43*	*1*
Terphenyl-d14	*97*		*36 - 134*	*04/03/14 07:22*	*04/04/14 19:43*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 17:51	1
Barium	**0.36**	**J B**	0.50	0.050	mg/L		04/04/14 10:15	04/04/14 17:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/14 10:15	04/04/14 17:51	1
Cadmium	**0.0036**	**J**	0.0050	0.0020	mg/L		04/04/14 10:15	04/04/14 17:51	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:51	1
Cobalt	**0.054**		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:51	1
Copper	**0.034**		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:51	1
Iron	<0.20		0.20	0.20	mg/L		04/04/14 10:15	04/04/14 17:51	1
Lead	**0.024**		0.0075	0.0075	mg/L		04/04/14 10:15	04/04/14 17:51	1
Manganese	**5.4**		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:51	1
Nickel	**0.066**		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:51	1
Selenium	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 17:51	1
Silver	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:51	1
Zinc	**0.25**	**B**	0.10	0.020	mg/L		04/04/14 10:15	04/04/14 17:51	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/07/14 23:53	1
Barium	**0.15**	**J**	0.50	0.050	mg/L		04/07/14 09:00	04/07/14 23:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:00	04/07/14 23:53	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:00	04/07/14 23:53	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:53	1
Cobalt	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:53	1
Copper	**0.014**	**J**	0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:53	1
Iron	**0.23**		0.20	0.20	mg/L		04/07/14 09:00	04/07/14 23:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/07/14 09:00	04/07/14 23:53	1
Manganese	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:53	1
Nickel	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:53	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/07/14 23:53	1

Client Sample ID: IP-5(0-2)-040114
Date Collected: 04/01/14 10:00
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-7
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025	^	0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:53	1
Zinc	**0.27**		0.10	0.020	mg/L		04/07/14 09:00	04/07/14 23:53	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		12	2.3	mg/Kg	☼	04/02/14 15:30	04/04/14 01:37	1
Antimony	<1.2		1.2	0.47	mg/Kg	☼	04/02/14 15:30	04/04/14 01:37	1
Arsenic	**7.4**		0.58	0.12	mg/Kg	☼	04/02/14 15:30	04/04/14 01:37	1
Barium	**48**		0.58	0.062	mg/Kg	☼	04/02/14 15:30	04/04/14 01:37	1
Beryllium	**0.59**		0.23	0.047	mg/Kg	☼	04/02/14 15:30	04/04/14 01:37	1
Cadmium	**0.84**		0.12	0.015	mg/Kg	☼	04/02/14 15:30	04/04/14 01:37	1
Calcium	**58000**	**B**	12	3.2	mg/Kg	☼	04/02/14 15:30	04/04/14 01:37	1
Chromium	**17**		0.58	0.068	mg/Kg	☼	04/02/14 15:30	04/04/14 01:37	1
Cobalt	**9.3**		0.29	0.058	mg/Kg	☼	04/02/14 15:30	04/04/14 01:37	1
Copper	**31**		0.58	0.12	mg/Kg	☼	04/02/14 15:30	04/04/14 01:37	1
Iron	**18000**		12	4.8	mg/Kg	☼	04/02/14 15:30	04/04/14 01:37	1
Lead	**17**	**B**	0.29	0.087	mg/Kg	☼	04/02/14 15:30	04/04/14 01:37	1
Magnesium	**29000**	**B**	5.8	1.2	mg/Kg	☼	04/02/14 15:30	04/04/14 01:37	1
Manganese	**340**		0.58	0.12	mg/Kg	☼	04/02/14 15:30	04/04/14 01:37	1
Nickel	**24**	**^**	0.58	0.12	mg/Kg	☼	04/02/14 15:30	04/04/14 01:37	1
Potassium	**3700**		29	1.8	mg/Kg	☼	04/02/14 15:30	04/04/14 01:37	1
Selenium	<0.58		0.58	0.21	mg/Kg	☼	04/02/14 15:30	04/04/14 01:37	1
Silver	**0.061**	**J**	0.29	0.021	mg/Kg	☼	04/02/14 15:30	04/04/14 01:37	1
Sodium	**1600**		58	7.8	mg/Kg	☼	04/02/14 15:30	04/04/14 01:37	1
Thallium	**0.34**	**J**	0.58	0.25	mg/Kg	☼	04/02/14 15:30	04/04/14 01:37	1
Vanadium	**22**		0.29	0.043	mg/Kg	☼	04/02/14 15:30	04/04/14 01:37	1
Zinc	**45**		1.2	0.24	mg/Kg	☼	04/02/14 15:30	04/04/14 01:37	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.038**	**J B**	0.20	0.020	ug/L		04/04/14 15:00	04/07/14 12:53	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 10:14	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**39**		17	6.7	ug/Kg	☼	04/02/14 14:30	04/03/14 09:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.97**		0.200	0.200	SU			04/06/14 13:24	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: IP-3(0-4)-040114
Date Collected: 04/01/14 10:20
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-8
Matrix: Solid
Percent Solids: 83.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		04/02/14 15:21	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		04/02/14 15:21	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/02/14 15:21	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		04/02/14 15:21	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		04/02/14 15:21	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		04/02/14 15:21	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		04/02/14 15:21	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		04/02/14 15:21	1
Chloroethane	<6.0	*	6.0	1.6	ug/Kg	☼		04/02/14 15:21	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		04/02/14 15:21	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		04/02/14 15:21	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		04/02/14 15:21	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		04/02/14 15:21	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/02/14 15:21	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		04/02/14 15:21	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/02/14 15:21	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		04/02/14 15:21	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		04/02/14 15:21	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		04/02/14 15:21	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		04/02/14 15:21	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		04/02/14 15:21	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		04/02/14 15:21	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		04/02/14 15:21	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		04/02/14 15:21	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		04/02/14 15:21	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		04/02/14 15:21	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/02/14 15:21	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		04/02/14 15:21	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		04/02/14 15:21	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	☼		04/02/14 15:21	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		04/02/14 15:21	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		04/02/14 15:21	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		04/02/14 15:21	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		04/02/14 15:21	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		04/02/14 15:21	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		04/02/14 15:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 122*		*04/02/14 15:21*	*1*
Dibromofluoromethane	*108*		*75 - 120*		*04/02/14 15:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 134*		*04/02/14 15:21*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*04/02/14 15:21*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1

Client Sample ID: IP-3(0-4)-040114
Date Collected: 04/01/14 10:20
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-8
Matrix: Solid
Percent Solids: 83.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
2-Methylnaphthalene	**15**	**J**	39	7.2	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
2-Methylphenol	<200		200	63	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Acenaphthene	**14**	**J**	39	7.1	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Acenaphthylene	**9.1**	**J**	39	5.2	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Anthracene	**36**	**J**	39	6.6	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Benzo[a]anthracene	**210**		39	5.3	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Benzo[a]pyrene	**250**		39	7.6	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Benzo[b]fluoranthene	**370**		39	8.5	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Benzo[g,h,i]perylene	**270**		39	13	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Benzo[k]fluoranthene	**200**		39	12	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Butyl benzyl phthalate	**520**		200	75	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Carbazole	<200		200	100	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Chrysene	**320**		39	11	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Dibenz(a,h)anthracene	**65**		39	7.6	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Dibenzofuran	<200		200	46	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Fluoranthene	**400**		39	7.3	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Fluorene	**11**	**J**	39	5.5	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Hexachlorocyclopentadiene	<790		790	230	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Hexachloroethane	<200		200	60	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1

Client Sample ID: IP-3(0-4)-040114
Date Collected: 04/01/14 10:20
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-8
Matrix: Solid
Percent Solids: 83.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	210		39	10	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Isophorone	<200		200	44	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Naphthalene	8.0	J	39	6.1	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Phenanthrene	210		39	5.5	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Phenol	<200		200	87	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1
Pyrene	570		39	7.8	ug/Kg	☼	04/03/14 07:22	04/04/14 20:03	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*58*		*35 - 137*	*04/03/14 07:22*	*04/04/14 20:03*	*1*
2-Fluorobiphenyl	*63*		*25 - 119*	*04/03/14 07:22*	*04/04/14 20:03*	*1*
2-Fluorophenol	*46*		*25 - 110*	*04/03/14 07:22*	*04/04/14 20:03*	*1*
Nitrobenzene-d5	*46*		*25 - 115*	*04/03/14 07:22*	*04/04/14 20:03*	*1*
Phenol-d5	*60*		*31 - 110*	*04/03/14 07:22*	*04/04/14 20:03*	*1*
Terphenyl-d14	*94*		*36 - 134*	*04/03/14 07:22*	*04/04/14 20:03*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 17:57	1
Barium	0.59	B	0.50	0.050	mg/L		04/04/14 10:15	04/04/14 17:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/14 10:15	04/04/14 17:57	1
Cadmium	0.0041	J	0.0050	0.0020	mg/L		04/04/14 10:15	04/04/14 17:57	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:57	1
Cobalt	0.056		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:57	1
Copper	0.032		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:57	1
Iron	<0.20		0.20	0.20	mg/L		04/04/14 10:15	04/04/14 17:57	1
Lead	0.021		0.0075	0.0075	mg/L		04/04/14 10:15	04/04/14 17:57	1
Manganese	4.3		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:57	1
Nickel	0.056		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:57	1
Selenium	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 17:57	1
Silver	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:57	1
Zinc	0.32	B	0.10	0.020	mg/L		04/04/14 10:15	04/04/14 17:57	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/07/14 23:59	1
Barium	0.33	J	0.50	0.050	mg/L		04/07/14 09:00	04/07/14 23:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:00	04/07/14 23:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:00	04/07/14 23:59	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:59	1
Cobalt	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:59	1
Copper	0.038		0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:59	1
Iron	1.6		0.20	0.20	mg/L		04/07/14 09:00	04/07/14 23:59	1
Lead	0.053		0.0075	0.0075	mg/L		04/07/14 09:00	04/07/14 23:59	1
Manganese	0.20		0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:59	1
Nickel	0.010	J	0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:59	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/07/14 23:59	1

Client Sample ID: IP-3(0-4)-040114
Date Collected: 04/01/14 10:20
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-8
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025	^	0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:59	1
Zinc	**0.31**		0.10	0.020	mg/L		04/07/14 09:00	04/07/14 23:59	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		11	2.2	mg/Kg	☼	04/02/14 15:30	04/04/14 01:58	1
Antimony	**0.60**	**J**	1.1	0.44	mg/Kg	☼	04/02/14 15:30	04/04/14 01:58	1
Arsenic	**9.2**		0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 01:58	1
Barium	**46**		0.55	0.059	mg/Kg	☼	04/02/14 15:30	04/04/14 01:58	1
Beryllium	**0.58**		0.22	0.044	mg/Kg	☼	04/02/14 15:30	04/04/14 01:58	1
Cadmium	**1.2**		0.11	0.014	mg/Kg	☼	04/02/14 15:30	04/04/14 01:58	1
Calcium	**74000**	**B**	110	30	mg/Kg	☼	04/02/14 15:30	04/05/14 02:12	10
Chromium	**19**		0.55	0.064	mg/Kg	☼	04/02/14 15:30	04/04/14 01:58	1
Cobalt	**12**		0.28	0.055	mg/Kg	☼	04/02/14 15:30	04/04/14 01:58	1
Copper	**27**		0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 01:58	1
Iron	**23000**		11	4.5	mg/Kg	☼	04/02/14 15:30	04/04/14 01:58	1
Lead	**25**	**B**	0.28	0.082	mg/Kg	☼	04/02/14 15:30	04/04/14 01:58	1
Magnesium	**30000**	**B**	5.5	1.1	mg/Kg	☼	04/02/14 15:30	04/04/14 01:58	1
Manganese	**460**		0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 01:58	1
Nickel	**26**	**^**	0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 01:58	1
Potassium	**3700**		28	1.7	mg/Kg	☼	04/02/14 15:30	04/04/14 01:58	1
Selenium	<0.55		0.55	0.20	mg/Kg	☼	04/02/14 15:30	04/04/14 01:58	1
Silver	**0.068**	**J**	0.28	0.020	mg/Kg	☼	04/02/14 15:30	04/04/14 01:58	1
Sodium	**1500**		55	7.4	mg/Kg	☼	04/02/14 15:30	04/04/14 01:58	1
Thallium	**0.43**	**J**	0.55	0.23	mg/Kg	☼	04/02/14 15:30	04/04/14 01:58	1
Vanadium	**22**		0.28	0.041	mg/Kg	☼	04/02/14 15:30	04/04/14 01:58	1
Zinc	**59**		1.1	0.22	mg/Kg	☼	04/02/14 15:30	04/04/14 01:58	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.037**	**J B**	0.20	0.020	ug/L		04/04/14 15:00	04/07/14 12:55	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.10**	**J**	0.20	0.020	ug/L		04/07/14 16:10	04/08/14 10:28	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**43**		18	7.2	ug/Kg	☼	04/02/14 14:30	04/03/14 09:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.45**		0.200	0.200	SU			04/06/14 13:26	1

Client Sample ID: IP-3(0-4)-040114D
Date Collected: 04/01/14 10:20
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-9
Matrix: Solid
Percent Solids: 86.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		04/02/14 15:44	1
Benzene	<5.8		5.8	0.80	ug/Kg	☼		04/02/14 15:44	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/02/14 15:44	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		04/02/14 15:44	1
Bromomethane	<5.8		5.8	1.8	ug/Kg	☼		04/02/14 15:44	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		04/02/14 15:44	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		04/02/14 15:44	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		04/02/14 15:44	1
Chloroethane	<5.8	*	5.8	1.6	ug/Kg	☼		04/02/14 15:44	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		04/02/14 15:44	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		04/02/14 15:44	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		04/02/14 15:44	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		04/02/14 15:44	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/02/14 15:44	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		04/02/14 15:44	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		04/02/14 15:44	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		04/02/14 15:44	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		04/02/14 15:44	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		04/02/14 15:44	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		04/02/14 15:44	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		04/02/14 15:44	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		04/02/14 15:44	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		04/02/14 15:44	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		04/02/14 15:44	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		04/02/14 15:44	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		04/02/14 15:44	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		04/02/14 15:44	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		04/02/14 15:44	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		04/02/14 15:44	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		04/02/14 15:44	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		04/02/14 15:44	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		04/02/14 15:44	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		04/02/14 15:44	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		04/02/14 15:44	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		04/02/14 15:44	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/02/14 15:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 122*		*04/02/14 15:44*	*1*
Dibromofluoromethane	*110*		*75 - 120*		*04/02/14 15:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*		*04/02/14 15:44*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*04/02/14 15:44*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: IP-3(0-4)-040114D
Date Collected: 04/01/14 10:20
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-9
Matrix: Solid
Percent Solids: 86.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
2,4-Dichlorophenol	<370		370	90	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
2-Methylnaphthalene	**9.4**	**J**	37	6.9	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
2-Methylphenol	<190		190	61	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Anthracene	**24**	**J**	37	6.3	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Benzo[a]anthracene	**110**		37	5.1	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Benzo[a]pyrene	**100**		37	7.3	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Benzo[b]fluoranthene	**180**		37	8.1	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Benzo[g,h,i]perylene	**100**		37	12	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Benzo[k]fluoranthene	**53**		37	11	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Butyl benzyl phthalate	**350**		190	72	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Carbazole	<190		190	97	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Chrysene	**140**		37	10	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Dibenz(a,h)anthracene	**24**	**J**	37	7.3	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Dibenzofuran	<190		190	44	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Fluoranthene	**170**		37	7.0	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Fluorene	**10**	**J**	37	5.3	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Hexachloroethane	<190		190	57	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: IP-3(0-4)-040114D
Date Collected: 04/01/14 10:20
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-9
Matrix: Solid
Percent Solids: 86.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	82		37	9.8	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Isophorone	<190		190	42	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Naphthalene	<37		37	5.8	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Phenanthrene	98		37	5.3	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Phenol	<190		190	84	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1
Pyrene	270		37	7.5	ug/Kg	☼	04/03/14 07:22	04/04/14 14:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*65*		*35 - 137*	*04/03/14 07:22*	*04/04/14 14:52*	*1*
2-Fluorobiphenyl	*68*		*25 - 119*	*04/03/14 07:22*	*04/04/14 14:52*	*1*
2-Fluorophenol	*49*		*25 - 110*	*04/03/14 07:22*	*04/04/14 14:52*	*1*
Nitrobenzene-d5	*49*		*25 - 115*	*04/03/14 07:22*	*04/04/14 14:52*	*1*
Phenol-d5	*56*		*31 - 110*	*04/03/14 07:22*	*04/04/14 14:52*	*1*
Terphenyl-d14	*117*		*36 - 134*	*04/03/14 07:22*	*04/04/14 14:52*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 18:03	1
Barium	0.53		0.50	0.050	mg/L		04/04/14 10:15	04/04/14 18:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/14 10:15	04/04/14 18:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/14 10:15	04/04/14 18:03	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:03	1
Cobalt	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:03	1
Copper	0.027		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:03	1
Iron	<0.20		0.20	0.20	mg/L		04/04/14 10:15	04/04/14 18:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/04/14 10:15	04/04/14 18:03	1
Manganese	0.39		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:03	1
Nickel	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:03	1
Selenium	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 18:03	1
Silver	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:03	1
Zinc	0.20		0.10	0.020	mg/L		04/04/14 10:15	04/04/14 18:03	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/08/14 00:06	1
Barium	0.49	J	0.50	0.050	mg/L		04/07/14 09:00	04/08/14 00:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:00	04/08/14 00:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:00	04/08/14 00:06	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:06	1
Cobalt	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:06	1
Copper	0.038		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:06	1
Iron	1.5		0.20	0.20	mg/L		04/07/14 09:00	04/08/14 00:06	1
Lead	0.066		0.0075	0.0075	mg/L		04/07/14 09:00	04/08/14 00:06	1
Manganese	0.22		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:06	1
Nickel	0.012	J	0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:06	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/08/14 00:06	1

Client Sample ID: IP-3(0-4)-040114D
Date Collected: 04/01/14 10:20
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-9
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025	^	0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:06	1
Zinc	**0.26**		0.10	0.020	mg/L		04/07/14 09:00	04/08/14 00:06	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**9000**		11	2.2	mg/Kg	☼	04/02/14 15:30	04/04/14 02:04	1
Antimony	**0.60**	**J**	1.1	0.44	mg/Kg	☼	04/02/14 15:30	04/04/14 02:04	1
Arsenic	**9.0**		0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 02:04	1
Barium	**42**		0.55	0.059	mg/Kg	☼	04/02/14 15:30	04/04/14 02:04	1
Beryllium	**0.44**		0.22	0.044	mg/Kg	☼	04/02/14 15:30	04/04/14 02:04	1
Cadmium	**0.83**		0.11	0.014	mg/Kg	☼	04/02/14 15:30	04/04/14 02:04	1
Calcium	**100000**	**B**	110	30	mg/Kg	☼	04/02/14 15:30	04/05/14 02:18	10
Chromium	**12**		0.55	0.064	mg/Kg	☼	04/02/14 15:30	04/04/14 02:04	1
Cobalt	**5.9**		0.28	0.055	mg/Kg	☼	04/02/14 15:30	04/04/14 02:04	1
Copper	**26**		0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 02:04	1
Iron	**15000**		11	4.5	mg/Kg	☼	04/02/14 15:30	04/04/14 02:04	1
Lead	**32**	**B**	0.28	0.082	mg/Kg	☼	04/02/14 15:30	04/04/14 02:04	1
Magnesium	**51000**	**B**	5.5	1.1	mg/Kg	☼	04/02/14 15:30	04/04/14 02:04	1
Manganese	**200**		0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 02:04	1
Nickel	**16**	**^**	0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 02:04	1
Potassium	**2800**		28	1.7	mg/Kg	☼	04/02/14 15:30	04/04/14 02:04	1
Selenium	<0.55		0.55	0.20	mg/Kg	☼	04/02/14 15:30	04/04/14 02:04	1
Silver	**0.028**	**J**	0.28	0.020	mg/Kg	☼	04/02/14 15:30	04/04/14 02:04	1
Sodium	**1800**		55	7.4	mg/Kg	☼	04/02/14 15:30	04/04/14 02:04	1
Thallium	**0.31**	**J**	0.55	0.23	mg/Kg	☼	04/02/14 15:30	04/04/14 02:04	1
Vanadium	**18**		0.28	0.041	mg/Kg	☼	04/02/14 15:30	04/04/14 02:04	1
Zinc	**51**		1.1	0.22	mg/Kg	☼	04/02/14 15:30	04/04/14 02:04	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.037**	**J B**	0.20	0.020	ug/L		04/04/14 15:00	04/07/14 13:50	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.24**		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 10:35	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**36**		19	7.3	ug/Kg	☼	04/02/14 14:30	04/03/14 09:40	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.89**		0.200	0.200	SU			04/06/14 13:28	1

Client Sample ID: IP-4(0-2)-040114
Date Collected: 04/01/14 10:30
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-10
Matrix: Solid
Percent Solids: 84.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.6	ug/Kg	☼		04/02/14 16:08	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		04/02/14 16:08	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/02/14 16:08	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		04/02/14 16:08	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		04/02/14 16:08	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	☼		04/02/14 16:08	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		04/02/14 16:08	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		04/02/14 16:08	1
Chloroethane	<5.9	*	5.9	1.6	ug/Kg	☼		04/02/14 16:08	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		04/02/14 16:08	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 16:08	1
cis-1,2-Dichloroethene	<5.9		5.9	0.84	ug/Kg	☼		04/02/14 16:08	1
cis-1,3-Dichloropropene	<5.9		5.9	0.78	ug/Kg	☼		04/02/14 16:08	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/02/14 16:08	1
1,1-Dichloroethane	<5.9		5.9	0.94	ug/Kg	☼		04/02/14 16:08	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/02/14 16:08	1
1,1-Dichloroethene	<5.9		5.9	0.96	ug/Kg	☼		04/02/14 16:08	1
1,2-Dichloropropane	<5.9		5.9	0.90	ug/Kg	☼		04/02/14 16:08	1
1,3-Dichloropropene, Total	<5.9		5.9	0.78	ug/Kg	☼		04/02/14 16:08	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 16:08	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		04/02/14 16:08	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		04/02/14 16:08	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		04/02/14 16:08	1
methyl isobutyl ketone	<5.9		5.9	1.6	ug/Kg	☼		04/02/14 16:08	1
Methyl tert-butyl ether	<5.9		5.9	0.98	ug/Kg	☼		04/02/14 16:08	1
Styrene	<5.9		5.9	0.78	ug/Kg	☼		04/02/14 16:08	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 16:08	1
Tetrachloroethene	<5.9		5.9	0.91	ug/Kg	☼		04/02/14 16:08	1
Toluene	<5.9		5.9	0.83	ug/Kg	☼		04/02/14 16:08	1
trans-1,2-Dichloroethene	<5.9		5.9	0.82	ug/Kg	☼		04/02/14 16:08	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		04/02/14 16:08	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/02/14 16:08	1
1,1,2-Trichloroethane	<5.9		5.9	0.81	ug/Kg	☼		04/02/14 16:08	1
Trichloroethene	<5.9		5.9	0.98	ug/Kg	☼		04/02/14 16:08	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 16:08	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		04/02/14 16:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*91*		*70 - 122*		*04/02/14 16:08*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*04/02/14 16:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 134*		*04/02/14 16:08*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*04/02/14 16:08*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: IP-4(0-2)-040114
Date Collected: 04/01/14 10:30
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-10
Matrix: Solid
Percent Solids: 84.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
2-Methylphenol	<190		190	60	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Acenaphthylene	**17**	**J**	37	5.0	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Anthracene	**18**	**J**	37	6.3	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Benzo[a]anthracene	**98**		37	5.1	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Benzo[a]pyrene	**120**		37	7.3	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Benzo[b]fluoranthene	**190**		37	8.1	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Benzo[g,h,i]perylene	**120**		37	12	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Benzo[k]fluoranthene	**90**		37	11	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Carbazole	<190		190	97	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Chrysene	**120**		37	10	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Dibenz(a,h)anthracene	**32**	**J**	37	7.3	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Dibenzofuran	<190		190	44	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Fluoranthene	**120**		37	7.0	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Fluorene	<37		37	5.3	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Hexachloroethane	<190		190	57	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: IP-4(0-2)-040114
Date Collected: 04/01/14 10:30
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-10
Matrix: Solid
Percent Solids: 84.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**98**		37	9.7	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Isophorone	<190		190	42	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Naphthalene	<37		37	5.8	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Phenanthrene	**61**		37	5.2	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Phenol	<190		190	83	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1
Pyrene	**200**		37	7.5	ug/Kg	☼	04/03/14 07:22	04/04/14 15:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*62*		*35 - 137*	*04/03/14 07:22*	*04/04/14 15:15*	*1*
2-Fluorobiphenyl	*60*		*25 - 119*	*04/03/14 07:22*	*04/04/14 15:15*	*1*
2-Fluorophenol	*42*		*25 - 110*	*04/03/14 07:22*	*04/04/14 15:15*	*1*
Nitrobenzene-d5	*45*		*25 - 115*	*04/03/14 07:22*	*04/04/14 15:15*	*1*
Phenol-d5	*48*		*31 - 110*	*04/03/14 07:22*	*04/04/14 15:15*	*1*
Terphenyl-d14	*99*		*36 - 134*	*04/03/14 07:22*	*04/04/14 15:15*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 18:10	1
Barium	**0.54**		0.50	0.050	mg/L		04/04/14 10:15	04/04/14 18:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/14 10:15	04/04/14 18:10	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/14 10:15	04/04/14 18:10	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:10	1
Cobalt	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:10	1
Copper	**0.026**		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:10	1
Iron	<0.20		0.20	0.20	mg/L		04/04/14 10:15	04/04/14 18:10	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/04/14 10:15	04/04/14 18:10	1
Manganese	**0.71**		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:10	1
Nickel	**0.013**	**J**	0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:10	1
Selenium	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 18:10	1
Silver	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:10	1
Zinc	**0.19**		0.10	0.020	mg/L		04/04/14 10:15	04/04/14 18:10	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/08/14 00:12	1
Barium	**0.48**	**J**	0.50	0.050	mg/L		04/07/14 09:00	04/08/14 00:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:00	04/08/14 00:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:00	04/08/14 00:12	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:12	1
Cobalt	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:12	1
Copper	**0.033**		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:12	1
Iron	**0.99**		0.20	0.20	mg/L		04/07/14 09:00	04/08/14 00:12	1
Lead	**0.079**		0.0075	0.0075	mg/L		04/07/14 09:00	04/08/14 00:12	1
Manganese	**0.17**		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:12	1
Nickel	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:12	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/08/14 00:12	1

Client Sample ID: IP-4(0-2)-040114
Date Collected: 04/01/14 10:30
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-10
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025	^	0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:12	1
Zinc	**0.27**		0.10	0.020	mg/L		04/07/14 09:00	04/08/14 00:12	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		11	2.3	mg/Kg	☼	04/02/14 15:30	04/04/14 02:10	1
Antimony	<1.1		1.1	0.46	mg/Kg	☼	04/02/14 15:30	04/04/14 02:10	1
Arsenic	**7.5**		0.57	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 02:10	1
Barium	**55**		0.57	0.061	mg/Kg	☼	04/02/14 15:30	04/04/14 02:10	1
Beryllium	**0.65**		0.23	0.046	mg/Kg	☼	04/02/14 15:30	04/04/14 02:10	1
Cadmium	**0.88**		0.11	0.014	mg/Kg	☼	04/02/14 15:30	04/04/14 02:10	1
Calcium	**52000**	**B**	11	3.1	mg/Kg	☼	04/02/14 15:30	04/04/14 02:10	1
Chromium	**20**		0.57	0.066	mg/Kg	☼	04/02/14 15:30	04/04/14 02:10	1
Cobalt	**10**		0.29	0.057	mg/Kg	☼	04/02/14 15:30	04/04/14 02:10	1
Copper	**27**		0.57	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 02:10	1
Iron	**20000**		11	4.7	mg/Kg	☼	04/02/14 15:30	04/04/14 02:10	1
Lead	**21**	**B**	0.29	0.085	mg/Kg	☼	04/02/14 15:30	04/04/14 02:10	1
Magnesium	**25000**	**B**	5.7	1.2	mg/Kg	☼	04/02/14 15:30	04/04/14 02:10	1
Manganese	**340**		0.57	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 02:10	1
Nickel	**26**	**^**	0.57	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 02:10	1
Potassium	**4000**		29	1.7	mg/Kg	☼	04/02/14 15:30	04/04/14 02:10	1
Selenium	<0.57		0.57	0.20	mg/Kg	☼	04/02/14 15:30	04/04/14 02:10	1
Silver	**0.029**	**J**	0.29	0.021	mg/Kg	☼	04/02/14 15:30	04/04/14 02:10	1
Sodium	**1700**		57	7.6	mg/Kg	☼	04/02/14 15:30	04/04/14 02:10	1
Thallium	**0.31**	**J**	0.57	0.24	mg/Kg	☼	04/02/14 15:30	04/04/14 02:10	1
Vanadium	**25**		0.29	0.042	mg/Kg	☼	04/02/14 15:30	04/04/14 02:10	1
Zinc	**49**		1.1	0.23	mg/Kg	☼	04/02/14 15:30	04/04/14 02:10	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.038**	**J B**	0.20	0.020	ug/L		04/04/14 15:00	04/07/14 13:52	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.21**		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 10:38	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**31**		18	6.9	ug/Kg	☼	04/02/14 14:30	04/03/14 09:42	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.25**		0.200	0.200	SU			04/06/14 13:30	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: IP-8(0-2)-040114
Date Collected: 04/01/14 10:45
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-11
Matrix: Solid
Percent Solids: 86.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	14		5.8	2.5	ug/Kg	☼		04/02/14 16:32	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		04/02/14 16:32	1
Bromodichloromethane	<5.8		5.8	0.99	ug/Kg	☼		04/02/14 16:32	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		04/02/14 16:32	1
Bromomethane	<5.8		5.8	1.7	ug/Kg	☼		04/02/14 16:32	1
Carbon disulfide	<5.8		5.8	0.86	ug/Kg	☼		04/02/14 16:32	1
Carbon tetrachloride	<5.8		5.8	1.0	ug/Kg	☼		04/02/14 16:32	1
Chlorobenzene	<5.8		5.8	0.58	ug/Kg	☼		04/02/14 16:32	1
Chloroethane	<5.8	*	5.8	1.6	ug/Kg	☼		04/02/14 16:32	1
Chloroform	<5.8		5.8	0.66	ug/Kg	☼		04/02/14 16:32	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		04/02/14 16:32	1
cis-1,2-Dichloroethene	<5.8		5.8	0.81	ug/Kg	☼		04/02/14 16:32	1
cis-1,3-Dichloropropene	<5.8		5.8	0.75	ug/Kg	☼		04/02/14 16:32	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/02/14 16:32	1
1,1-Dichloroethane	<5.8		5.8	0.91	ug/Kg	☼		04/02/14 16:32	1
1,2-Dichloroethane	<5.8		5.8	0.85	ug/Kg	☼		04/02/14 16:32	1
1,1-Dichloroethene	<5.8		5.8	0.93	ug/Kg	☼		04/02/14 16:32	1
1,2-Dichloropropane	<5.8		5.8	0.87	ug/Kg	☼		04/02/14 16:32	1
1,3-Dichloropropene, Total	<5.8		5.8	0.75	ug/Kg	☼		04/02/14 16:32	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		04/02/14 16:32	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		04/02/14 16:32	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		04/02/14 16:32	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		04/02/14 16:32	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		04/02/14 16:32	1
Methyl tert-butyl ether	<5.8		5.8	0.95	ug/Kg	☼		04/02/14 16:32	1
Styrene	<5.8		5.8	0.75	ug/Kg	☼		04/02/14 16:32	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		04/02/14 16:32	1
Tetrachloroethene	<5.8		5.8	0.88	ug/Kg	☼		04/02/14 16:32	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		04/02/14 16:32	1
trans-1,2-Dichloroethene	<5.8		5.8	0.79	ug/Kg	☼		04/02/14 16:32	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		04/02/14 16:32	1
1,1,1-Trichloroethane	<5.8		5.8	0.86	ug/Kg	☼		04/02/14 16:32	1
1,1,2-Trichloroethane	<5.8		5.8	0.78	ug/Kg	☼		04/02/14 16:32	1
Trichloroethene	<5.8		5.8	0.95	ug/Kg	☼		04/02/14 16:32	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		04/02/14 16:32	1
Xylenes, Total	<12		12	0.52	ug/Kg	☼		04/02/14 16:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 122*		*04/02/14 16:32*	*1*
Dibromofluoromethane	*108*		*75 - 120*		*04/02/14 16:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 134*		*04/02/14 16:32*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*04/02/14 16:32*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: IP-8(0-2)-040114
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Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-11
Matrix: Solid
Percent Solids: 86.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
2-Methylnaphthalene	**19**	**J**	37	6.9	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
2-Methylphenol	<190		190	60	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Acenaphthene	**31**	**J**	37	6.7	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Acenaphthylene	**11**	**J**	37	5.0	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Anthracene	**62**		37	6.3	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Benzo[a]anthracene	**100**		37	5.1	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Benzo[a]pyrene	**89**		37	7.3	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Benzo[b]fluoranthene	**130**		37	8.1	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Benzo[g,h,i]perylene	**70**		37	12	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Benzo[k]fluoranthene	**34**	**J**	37	11	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Carbazole	<190		190	97	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Chrysene	**110**		37	10	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Dibenz(a,h)anthracene	**26**	**J**	37	7.3	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Dibenzofuran	**48**	**J**	190	44	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Fluoranthene	**200**		37	7.0	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Fluorene	**27**	**J**	37	5.3	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Hexachloroethane	<190		190	57	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1

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Project/Site: IDOT - Lyons, McCook, Summit - 050

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Date Collected: 04/01/14 10:45
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-11
Matrix: Solid
Percent Solids: 86.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	52		37	9.7	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Isophorone	<190		190	42	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Naphthalene	7.8	J	37	5.8	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Phenanthrene	180		37	5.2	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Phenol	<190		190	83	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1
Pyrene	320		37	7.5	ug/Kg	☼	04/03/14 07:22	04/04/14 15:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*56*		*35 - 137*	*04/03/14 07:22*	*04/04/14 15:37*	*1*
2-Fluorobiphenyl	*57*		*25 - 119*	*04/03/14 07:22*	*04/04/14 15:37*	*1*
2-Fluorophenol	*39*		*25 - 110*	*04/03/14 07:22*	*04/04/14 15:37*	*1*
Nitrobenzene-d5	*43*		*25 - 115*	*04/03/14 07:22*	*04/04/14 15:37*	*1*
Phenol-d5	*47*		*31 - 110*	*04/03/14 07:22*	*04/04/14 15:37*	*1*
Terphenyl-d14	*96*		*36 - 134*	*04/03/14 07:22*	*04/04/14 15:37*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 18:16	1
Barium	0.65		0.50	0.050	mg/L		04/04/14 10:15	04/04/14 18:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/14 10:15	04/04/14 18:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/14 10:15	04/04/14 18:16	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:16	1
Cobalt	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:16	1
Copper	0.035		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:16	1
Iron	0.20		0.20	0.20	mg/L		04/04/14 10:15	04/04/14 18:16	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/04/14 10:15	04/04/14 18:16	1
Manganese	2.7		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:16	1
Nickel	0.013	J	0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:16	1
Selenium	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 18:16	1
Silver	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:16	1
Zinc	0.18		0.10	0.020	mg/L		04/04/14 10:15	04/04/14 18:16	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/08/14 00:18	1
Barium	0.39	J	0.50	0.050	mg/L		04/07/14 09:00	04/08/14 00:18	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:00	04/08/14 00:18	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:00	04/08/14 00:18	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:18	1
Cobalt	0.015	J	0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:18	1
Copper	0.053		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:18	1
Iron	5.7		0.20	0.20	mg/L		04/07/14 09:00	04/08/14 00:18	1
Lead	0.046		0.0075	0.0075	mg/L		04/07/14 09:00	04/08/14 00:18	1
Manganese	0.91		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:18	1
Nickel	0.021	J	0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:18	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/08/14 00:18	1

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Lab Sample ID: 500-74263-11
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025	^	0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:18	1
Zinc	**0.22**		0.10	0.020	mg/L		04/07/14 09:00	04/08/14 00:18	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		11	2.2	mg/Kg	☼	04/02/14 15:30	04/04/14 02:17	1
Antimony	**0.48**	**J**	1.1	0.44	mg/Kg	☼	04/02/14 15:30	04/04/14 02:17	1
Arsenic	**8.2**		0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 02:17	1
Barium	**44**		0.55	0.059	mg/Kg	☼	04/02/14 15:30	04/04/14 02:17	1
Beryllium	**0.59**		0.22	0.044	mg/Kg	☼	04/02/14 15:30	04/04/14 02:17	1
Cadmium	**0.82**		0.11	0.014	mg/Kg	☼	04/02/14 15:30	04/04/14 02:17	1
Calcium	**49000**	**B**	11	3.0	mg/Kg	☼	04/02/14 15:30	04/04/14 02:17	1
Chromium	**18**		0.55	0.064	mg/Kg	☼	04/02/14 15:30	04/04/14 02:17	1
Cobalt	**9.6**		0.27	0.055	mg/Kg	☼	04/02/14 15:30	04/04/14 02:17	1
Copper	**28**		0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 02:17	1
Iron	**20000**		11	4.5	mg/Kg	☼	04/02/14 15:30	04/04/14 02:17	1
Lead	**13**	**B**	0.27	0.082	mg/Kg	☼	04/02/14 15:30	04/04/14 02:17	1
Magnesium	**24000**	**B**	5.5	1.1	mg/Kg	☼	04/02/14 15:30	04/04/14 02:17	1
Manganese	**330**		0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 02:17	1
Nickel	**26**	**^**	0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 02:17	1
Potassium	**3700**		27	1.7	mg/Kg	☼	04/02/14 15:30	04/04/14 02:17	1
Selenium	<0.55		0.55	0.20	mg/Kg	☼	04/02/14 15:30	04/04/14 02:17	1
Silver	**0.040**	**J**	0.27	0.020	mg/Kg	☼	04/02/14 15:30	04/04/14 02:17	1
Sodium	**1300**		55	7.4	mg/Kg	☼	04/02/14 15:30	04/04/14 02:17	1
Thallium	**0.28**	**J**	0.55	0.23	mg/Kg	☼	04/02/14 15:30	04/04/14 02:17	1
Vanadium	**23**		0.27	0.041	mg/Kg	☼	04/02/14 15:30	04/04/14 02:17	1
Zinc	**41**		1.1	0.22	mg/Kg	☼	04/02/14 15:30	04/04/14 02:17	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.037**	**J B**	0.20	0.020	ug/L		04/04/14 15:00	04/07/14 13:54	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.15**	**J**	0.20	0.020	ug/L		04/07/14 16:10	04/08/14 10:40	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**42**		17	6.7	ug/Kg	☼	04/02/14 14:30	04/03/14 09:44	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.06**		0.200	0.200	SU			04/06/14 13:32	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: IP-10(0-2)-040114
Date Collected: 04/01/14 11:05
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-12
Matrix: Solid
Percent Solids: 87.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.7		5.7	2.5	ug/Kg	☼		04/02/14 16:56	1
Benzene	<5.7		5.7	0.79	ug/Kg	☼		04/02/14 16:56	1
Bromodichloromethane	<5.7		5.7	0.99	ug/Kg	☼		04/02/14 16:56	1
Bromoform	<5.7		5.7	1.3	ug/Kg	☼		04/02/14 16:56	1
Bromomethane	<5.7		5.7	1.7	ug/Kg	☼		04/02/14 16:56	1
Carbon disulfide	<5.7		5.7	0.86	ug/Kg	☼		04/02/14 16:56	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	☼		04/02/14 16:56	1
Chlorobenzene	<5.7		5.7	0.58	ug/Kg	☼		04/02/14 16:56	1
Chloroethane	<5.7	*	5.7	1.6	ug/Kg	☼		04/02/14 16:56	1
Chloroform	<5.7		5.7	0.66	ug/Kg	☼		04/02/14 16:56	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	☼		04/02/14 16:56	1
cis-1,2-Dichloroethene	<5.7		5.7	0.81	ug/Kg	☼		04/02/14 16:56	1
cis-1,3-Dichloropropene	<5.7		5.7	0.75	ug/Kg	☼		04/02/14 16:56	1
Dibromochloromethane	<5.7		5.7	1.0	ug/Kg	☼		04/02/14 16:56	1
1,1-Dichloroethane	<5.7		5.7	0.91	ug/Kg	☼		04/02/14 16:56	1
1,2-Dichloroethane	<5.7		5.7	0.85	ug/Kg	☼		04/02/14 16:56	1
1,1-Dichloroethene	<5.7		5.7	0.93	ug/Kg	☼		04/02/14 16:56	1
1,2-Dichloropropane	<5.7		5.7	0.87	ug/Kg	☼		04/02/14 16:56	1
1,3-Dichloropropene, Total	<5.7		5.7	0.75	ug/Kg	☼		04/02/14 16:56	1
Ethylbenzene	<5.7		5.7	1.2	ug/Kg	☼		04/02/14 16:56	1
2-Hexanone	<5.7		5.7	1.7	ug/Kg	☼		04/02/14 16:56	1
Methylene Chloride	<5.7		5.7	1.5	ug/Kg	☼		04/02/14 16:56	1
Methyl Ethyl Ketone	<5.7		5.7	2.1	ug/Kg	☼		04/02/14 16:56	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	☼		04/02/14 16:56	1
Methyl tert-butyl ether	<5.7		5.7	0.95	ug/Kg	☼		04/02/14 16:56	1
Styrene	<5.7		5.7	0.75	ug/Kg	☼		04/02/14 16:56	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	1.2	ug/Kg	☼		04/02/14 16:56	1
Tetrachloroethene	<5.7		5.7	0.88	ug/Kg	☼		04/02/14 16:56	1
Toluene	<5.7		5.7	0.80	ug/Kg	☼		04/02/14 16:56	1
trans-1,2-Dichloroethene	<5.7		5.7	0.79	ug/Kg	☼		04/02/14 16:56	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	☼		04/02/14 16:56	1
1,1,1-Trichloroethane	<5.7		5.7	0.86	ug/Kg	☼		04/02/14 16:56	1
1,1,2-Trichloroethane	<5.7		5.7	0.78	ug/Kg	☼		04/02/14 16:56	1
Trichloroethene	<5.7		5.7	0.95	ug/Kg	☼		04/02/14 16:56	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	☼		04/02/14 16:56	1
Xylenes, Total	<11		11	0.52	ug/Kg	☼		04/02/14 16:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 122*		*04/02/14 16:56*	*1*
Dibromofluoromethane	*110*		*75 - 120*		*04/02/14 16:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*111*		*70 - 134*		*04/02/14 16:56*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*04/02/14 16:56*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: IP-10(0-2)-040114
Date Collected: 04/01/14 11:05
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-12
Matrix: Solid
Percent Solids: 87.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
2-Methylnaphthalene	**31**	**J**	37	6.9	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
2-Methylphenol	<190		190	60	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Anthracene	<37		37	6.3	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Benzo[a]pyrene	<37		37	7.3	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Benzo[b]fluoranthene	<37		37	8.1	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Carbazole	<190		190	97	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Chrysene	**15**	**J**	37	10	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Dibenzofuran	<190		190	44	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Fluoranthene	**12**	**J**	37	7.0	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Fluorene	<37		37	5.3	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Hexachloroethane	<190		190	57	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: IP-10(0-2)-040114
Date Collected: 04/01/14 11:05
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-12
Matrix: Solid
Percent Solids: 87.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.7	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Isophorone	<190		190	42	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Naphthalene	<37		37	5.8	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Phenanthrene	**34**	**J**	37	5.2	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Phenol	<190		190	83	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1
Pyrene	**23**	**J**	37	7.5	ug/Kg	☼	04/03/14 07:22	04/04/14 16:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*57*		*35 - 137*	*04/03/14 07:22*	*04/04/14 16:00*	*1*
2-Fluorobiphenyl	*59*		*25 - 119*	*04/03/14 07:22*	*04/04/14 16:00*	*1*
2-Fluorophenol	*48*		*25 - 110*	*04/03/14 07:22*	*04/04/14 16:00*	*1*
Nitrobenzene-d5	*45*		*25 - 115*	*04/03/14 07:22*	*04/04/14 16:00*	*1*
Phenol-d5	*53*		*31 - 110*	*04/03/14 07:22*	*04/04/14 16:00*	*1*
Terphenyl-d14	*111*		*36 - 134*	*04/03/14 07:22*	*04/04/14 16:00*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 18:37	1
Barium	**0.71**		0.50	0.050	mg/L		04/04/14 10:15	04/04/14 18:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/14 10:15	04/04/14 18:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/14 10:15	04/04/14 18:37	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:37	1
Cobalt	**0.029**		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:37	1
Copper	**0.031**		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:37	1
Iron	<0.20		0.20	0.20	mg/L		04/04/14 10:15	04/04/14 18:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/04/14 10:15	04/04/14 18:37	1
Manganese	**3.8**		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:37	1
Nickel	**0.020**	**J**	0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:37	1
Selenium	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 18:37	1
Silver	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:37	1
Zinc	**0.21**		0.10	0.020	mg/L		04/04/14 10:15	04/04/14 18:37	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/08/14 00:24	1
Barium	**0.59**		0.50	0.050	mg/L		04/07/14 09:00	04/08/14 00:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:00	04/08/14 00:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:00	04/08/14 00:24	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:24	1
Cobalt	**0.030**		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:24	1
Copper	**0.073**		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:24	1
Iron	**9.1**		0.20	0.20	mg/L		04/07/14 09:00	04/08/14 00:24	1
Lead	**0.046**		0.0075	0.0075	mg/L		04/07/14 09:00	04/08/14 00:24	1
Manganese	**1.2**		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:24	1
Nickel	**0.020**	**J**	0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:24	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/08/14 00:24	1

Client Sample ID: IP-10(0-2)-040114
Date Collected: 04/01/14 11:05
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-12
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025	^	0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:24	1
Zinc	**0.18**		0.10	0.020	mg/L		04/07/14 09:00	04/08/14 00:24	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**13000**		11	2.2	mg/Kg	☼	04/02/14 15:30	04/04/14 02:23	1
Antimony	<1.1		1.1	0.44	mg/Kg	☼	04/02/14 15:30	04/04/14 02:23	1
Arsenic	**6.5**		0.54	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 02:23	1
Barium	**55**		0.54	0.058	mg/Kg	☼	04/02/14 15:30	04/04/14 02:23	1
Beryllium	**0.61**		0.22	0.044	mg/Kg	☼	04/02/14 15:30	04/04/14 02:23	1
Cadmium	**0.79**		0.11	0.014	mg/Kg	☼	04/02/14 15:30	04/04/14 02:23	1
Calcium	**43000**	**B**	11	3.0	mg/Kg	☼	04/02/14 15:30	04/04/14 02:23	1
Chromium	**19**		0.54	0.063	mg/Kg	☼	04/02/14 15:30	04/04/14 02:23	1
Cobalt	**11**		0.27	0.054	mg/Kg	☼	04/02/14 15:30	04/04/14 02:23	1
Copper	**24**		0.54	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 02:23	1
Iron	**20000**		11	4.5	mg/Kg	☼	04/02/14 15:30	04/04/14 02:23	1
Lead	**11**	**B**	0.27	0.081	mg/Kg	☼	04/02/14 15:30	04/04/14 02:23	1
Magnesium	**21000**	**B**	5.4	1.1	mg/Kg	☼	04/02/14 15:30	04/04/14 02:23	1
Manganese	**330**		0.54	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 02:23	1
Nickel	**25**	**^**	0.54	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 02:23	1
Potassium	**3600**		27	1.6	mg/Kg	☼	04/02/14 15:30	04/04/14 02:23	1
Selenium	<0.54		0.54	0.19	mg/Kg	☼	04/02/14 15:30	04/04/14 02:23	1
Silver	**0.021**	**J**	0.27	0.020	mg/Kg	☼	04/02/14 15:30	04/04/14 02:23	1
Sodium	**2200**		54	7.3	mg/Kg	☼	04/02/14 15:30	04/04/14 02:23	1
Thallium	<0.54		0.54	0.23	mg/Kg	☼	04/02/14 15:30	04/04/14 02:23	1
Vanadium	**24**		0.27	0.040	mg/Kg	☼	04/02/14 15:30	04/04/14 02:23	1
Zinc	**49**		1.1	0.22	mg/Kg	☼	04/02/14 15:30	04/04/14 02:23	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.038**	**J B**	0.20	0.020	ug/L		04/04/14 15:00	04/07/14 13:56	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.25**		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 10:44	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**36**		19	7.5	ug/Kg	☼	04/02/14 14:30	04/03/14 09:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.40**		0.200	0.200	SU			04/06/14 13:37	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15 *

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

* Expired certification is currently pending renewal and is considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTA.

2417 Bond Street, University Park, IL 6(
Phone: 708.534.5200 Fax: 708.53

500-74263 COC

Chain of Custody Record

Lab Job #: 500-74263

Chain of Custody Number:

Page 1 of 3

Temperature °C of Cooler: (3.4) (3.7)

(optional)

Report To
Contact: S. Balasubramanian
Company: Weston Solutions Inc.
Address: 750 E Bunker Ct. Ste. 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax: 847-918-4055
E-Mail:

(optional)

Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Client: Weston Solutions Inc.
Client Project #:
Project Name: IDOT 050-IL 171 from 47th Street to 55th St
Project Location/State: McCook/Summit IL
Lab Project #:
Sampler: M. Doheny-Slabic
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	TOTAL METALS	TCLP/SPLP METALS	pH	TOTAL ALUMINUM				Comments
1		ID-3(0-5)-040114	4-1-14	0850	2	S		X	X	X	X	X					
2		ID-3(0-5)-040114D		0850	2	S		X	X	X	X	X					
3		ID-3(5-9)-040114		0900	2	S		X	X	X	X	X					
4		ID-5(0-5)-040114		0920	2	S		X	X	X	X	X					
		ID-5(5-9)-040114			2	S		X	X	X	X	X					MDS
5		IP-1(0-2)-040114		0935	2	S		X	X	X	X	X	X				
6		IP-2(0-4)-040114		0945	2	S		X	X	X	X	X	X				
7		IP-5(0-2)-040114		1000	2	S		X	X	X	X	X	X				
8		ID-3(0-4)-040114		1020	2	S		X	X	X	X	X	X				
9		IP-3(0-4)-040114D	4-1-14	1020	2	S		X	X	X	X	X	X				

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston	4-1-14	1546	[signature]	TA	4/1/14	1545
[signature]	TA	4/1/14	1640	[signature]	TA	4/2/14	0700

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)
Report To
Contact: S. Babusukumar
Company: Weston Solutions Inc.
Address: 750 E Bunker Ct. Ste-500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax: 847-918-4035
E-Mail:

(optional)
Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74263
Chain of Custody Number:
Page 2 of 3
Temperature °C of Cooler:

Client: Weston Solutions Inc.
Client Project #:
Project Name: IDOT 050 - IL 171
Project Location/State: McCook/Summit, IL
Lab Project #:
Sampler: M. Doheny-Skiba
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Parameter: VOCs	SVOCs	TOTAL METALS	TCLP/SPLP METALS	pH	TOTAL Aluminum				Comments
10		IP-4(0-2)-040114	4-1-14	1030	2	S	X	X	X	X	X	X				
11		IP-8(0-2)-040114	4-1-14	1045	2	S	X	X	X	X	X	X				
12		IP-10(0-2)-040114		1105	2	S	X	X	X	X	X	X				
13		EL-1(0-2)-040114		1145	2	S	X	X	X	X	X					
14		EL-7(0-5)-040114		1205	2	S	X	X	X	X	X					
15		EL-7(0-5)-040114D		1205	2	S	X	X	X	X	X					
16		IC-5(0-4)-040114		1205	2	S	X	X	X	X	X					
17		IC5(4-8)-040114		1310	2	S	X	X	X	X	X					
18		IT1-3(0-6)-040114		1330	2	S	X	X	X	X	X					
19		IT1-1(0-3.2)-040114	4-1-14	1345	2	S	X	X	X	X	X					

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston	4-1-14	1546	[signature]	TA	4/1/14	1546
[signature]	TA	4/1/14	1648	[signature]	TA	4/2/14	0700

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TAL-4124-509 (0209)

4/11/2014

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-74181-1
Client Project/Site: IDOT - Lyons, McCook, Summit - 050

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar

Authorized for release by:
4/10/2014 10:39:30 AM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74181-1

Client Sample ID: IP18(0-4)-033114D
Date Collected: 03/31/14 14:45
Date Received: 03/31/14 15:40

Lab Sample ID: 500-74181-11
Matrix: Solid
Percent Solids: 84.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.6	ug/Kg	☼		04/02/14 15:56	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		04/02/14 15:56	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/02/14 15:56	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		04/02/14 15:56	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		04/02/14 15:56	1
Carbon disulfide	<5.9		5.9	0.89	ug/Kg	☼		04/02/14 15:56	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		04/02/14 15:56	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		04/02/14 15:56	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		04/02/14 15:56	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		04/02/14 15:56	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 15:56	1
cis-1,2-Dichloroethene	<5.9		5.9	0.84	ug/Kg	☼		04/02/14 15:56	1
cis-1,3-Dichloropropene	<5.9		5.9	0.78	ug/Kg	☼		04/02/14 15:56	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/02/14 15:56	1
1,1-Dichloroethane	<5.9		5.9	0.94	ug/Kg	☼		04/02/14 15:56	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/02/14 15:56	1
1,1-Dichloroethene	<5.9		5.9	0.96	ug/Kg	☼		04/02/14 15:56	1
1,2-Dichloropropane	<5.9		5.9	0.90	ug/Kg	☼		04/02/14 15:56	1
1,3-Dichloropropene, Total	<5.9		5.9	0.78	ug/Kg	☼		04/02/14 15:56	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 15:56	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		04/02/14 15:56	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		04/02/14 15:56	1
Methyl Ethyl Ketone	<5.9		5.9	2.2	ug/Kg	☼		04/02/14 15:56	1
methyl isobutyl ketone	<5.9		5.9	1.6	ug/Kg	☼		04/02/14 15:56	1
Methyl tert-butyl ether	<5.9		5.9	0.98	ug/Kg	☼		04/02/14 15:56	1
Styrene	<5.9		5.9	0.78	ug/Kg	☼		04/02/14 15:56	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 15:56	1
Tetrachloroethene	<5.9		5.9	0.91	ug/Kg	☼		04/02/14 15:56	1
Toluene	<5.9		5.9	0.83	ug/Kg	☼		04/02/14 15:56	1
trans-1,2-Dichloroethene	<5.9		5.9	0.82	ug/Kg	☼		04/02/14 15:56	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		04/02/14 15:56	1
1,1,1-Trichloroethane	<5.9		5.9	0.89	ug/Kg	☼		04/02/14 15:56	1
1,1,2-Trichloroethane	<5.9		5.9	0.81	ug/Kg	☼		04/02/14 15:56	1
Trichloroethene	<5.9		5.9	0.98	ug/Kg	☼		04/02/14 15:56	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 15:56	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		04/02/14 15:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 122*		*04/02/14 15:56*	*1*
Dibromofluoromethane	*112*		*75 - 120*		*04/02/14 15:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*04/02/14 15:56*	*1*
Toluene-d8 (Surr)	*93*		*75 - 122*		*04/02/14 15:56*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74181-1

Client Sample ID: IP18(0-4)-033114D
Date Collected: 03/31/14 14:45
Date Received: 03/31/14 15:40

Lab Sample ID: 500-74181-11
Matrix: Solid
Percent Solids: 84.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	86	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
2,4-Dinitrophenol	<760		760	670	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
2-Methylphenol	<190		190	61	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
2-Nitrophenol	<380		380	89	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
4,6-Dinitro-2-methylphenol	<380		380	300	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Anthracene	**15**	**J**	38	6.3	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Benzo[a]anthracene	**97**		38	5.1	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Benzo[a]pyrene	**93**		38	7.3	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Benzo[b]fluoranthene	**150**		38	8.2	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Benzo[g,h,i]perylene	**75**		38	12	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Benzo[k]fluoranthene	**50**		38	11	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Carbazole	<190		190	98	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Chrysene	**140**		38	10	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Dibenz(a,h)anthracene	**32**	**J**	38	7.3	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Dibenzofuran	<190		190	44	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Fluoranthene	**190**		38	7.0	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Fluorene	<38		38	5.3	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Hexachlorobenzene	<76		76	8.8	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Hexachloroethane	<190		190	58	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74181-1

Client Sample ID: IP18(0-4)-033114D
Date Collected: 03/31/14 14:45
Date Received: 03/31/14 15:40

Lab Sample ID: 500-74181-11
Matrix: Solid
Percent Solids: 84.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**53**		38	9.8	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Isophorone	<190		190	42	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Naphthalene	<38		38	5.8	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Nitrobenzene	<38		38	9.4	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Phenanthrene	**80**		38	5.3	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Phenol	<190		190	84	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1
Pyrene	**160**		38	7.5	ug/Kg	☼	04/01/14 07:02	04/04/14 14:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*86*		*35 - 137*	*04/01/14 07:02*	*04/04/14 14:26*	*1*
2-Fluorobiphenyl	*61*		*25 - 119*	*04/01/14 07:02*	*04/04/14 14:26*	*1*
2-Fluorophenol	*61*		*25 - 110*	*04/01/14 07:02*	*04/04/14 14:26*	*1*
Nitrobenzene-d5	*58*		*25 - 115*	*04/01/14 07:02*	*04/04/14 14:26*	*1*
Phenol-d5	*63*		*31 - 110*	*04/01/14 07:02*	*04/04/14 14:26*	*1*
Terphenyl-d14	*118*		*36 - 134*	*04/01/14 07:02*	*04/04/14 14:26*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/14 08:45	04/04/14 16:01	1
Barium	**0.62**		0.50	0.050	mg/L		04/03/14 08:45	04/04/14 16:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/14 08:45	04/04/14 16:01	1
Cadmium	**0.0034**	**J**	0.0050	0.0020	mg/L		04/03/14 08:45	04/04/14 16:01	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/14 08:45	04/04/14 16:01	1
Cobalt	**0.041**		0.025	0.010	mg/L		04/03/14 08:45	04/04/14 16:01	1
Copper	**0.043**		0.025	0.010	mg/L		04/03/14 08:45	04/04/14 16:01	1
Iron	<0.20		0.20	0.20	mg/L		04/03/14 08:45	04/04/14 16:01	1
Lead	**0.029**		0.0075	0.0075	mg/L		04/03/14 08:45	04/04/14 16:01	1
Manganese	**4.6**		0.025	0.010	mg/L		04/03/14 08:45	04/04/14 16:01	1
Nickel	**0.039**		0.025	0.010	mg/L		04/03/14 08:45	04/04/14 16:01	1
Selenium	<0.050		0.050	0.010	mg/L		04/03/14 08:45	04/04/14 16:01	1
Silver	<0.025		0.025	0.010	mg/L		04/03/14 08:45	04/04/14 16:01	1
Zinc	**0.13**		0.10	0.020	mg/L		04/03/14 08:45	04/04/14 16:01	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.031**	**J**	0.050	0.010	mg/L		04/03/14 09:20	04/04/14 23:23	1
Barium	**0.52**	**B**	0.50	0.050	mg/L		04/03/14 09:20	04/04/14 23:23	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/14 09:20	04/04/14 23:23	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/14 09:20	04/04/14 23:23	1
Chromium	**0.095**		0.025	0.010	mg/L		04/03/14 09:20	04/04/14 23:23	1
Cobalt	**0.029**		0.025	0.010	mg/L		04/03/14 09:20	04/04/14 23:23	1
Copper	**0.10**		0.025	0.010	mg/L		04/09/14 08:45	04/09/14 18:48	1
Iron	**86**		0.20	0.20	mg/L		04/03/14 09:20	04/04/14 23:23	1
Lead	**0.12**		0.0075	0.0075	mg/L		04/03/14 09:20	04/04/14 23:23	1
Manganese	**0.48**		0.025	0.010	mg/L		04/03/14 09:20	04/04/14 23:23	1
Nickel	**0.097**		0.025	0.010	mg/L		04/03/14 09:20	04/04/14 23:23	1
Selenium	<0.050		0.050	0.010	mg/L		04/03/14 09:20	04/04/14 23:23	1

Client Sample ID: IP18(0-4)-033114D
Date Collected: 03/31/14 14:45
Date Received: 03/31/14 15:40

Lab Sample ID: 500-74181-11
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/03/14 09:20	04/04/14 23:23	1
Zinc	**0.68**	**B**	0.10	0.020	mg/L		04/09/14 08:45	04/09/14 18:48	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		11	2.2	mg/Kg	☼	04/01/14 09:20	04/01/14 20:04	1
Antimony	<1.1		1.1	0.45	mg/Kg	☼	04/01/14 09:20	04/01/14 20:04	1
Arsenic	**8.1**		0.56	0.11	mg/Kg	☼	04/01/14 09:20	04/01/14 20:04	1
Barium	**84**		0.56	0.060	mg/Kg	☼	04/01/14 09:20	04/02/14 21:47	1
Beryllium	**0.62**		0.22	0.045	mg/Kg	☼	04/01/14 09:20	04/01/14 20:04	1
Cadmium	**1.0**		0.11	0.014	mg/Kg	☼	04/01/14 09:20	04/01/14 20:04	1
Calcium	**35000**	**B**	11	3.0	mg/Kg	☼	04/01/14 09:20	04/01/14 20:04	1
Chromium	**20**	**B**	0.56	0.065	mg/Kg	☼	04/01/14 09:20	04/01/14 20:04	1
Cobalt	**9.2**		0.28	0.056	mg/Kg	☼	04/01/14 09:20	04/01/14 20:04	1
Copper	**29**		0.56	0.11	mg/Kg	☼	04/01/14 09:20	04/01/14 20:04	1
Iron	**21000**		11	4.6	mg/Kg	☼	04/01/14 09:20	04/01/14 20:04	1
Lead	**90**	**B**	0.28	0.083	mg/Kg	☼	04/01/14 09:20	04/01/14 20:04	1
Magnesium	**18000**	**B**	5.6	1.2	mg/Kg	☼	04/01/14 09:20	04/01/14 20:04	1
Manganese	**290**		0.56	0.11	mg/Kg	☼	04/01/14 09:20	04/01/14 20:04	1
Nickel	**24**		0.56	0.11	mg/Kg	☼	04/01/14 09:20	04/01/14 20:04	1
Potassium	**2400**		28	1.7	mg/Kg	☼	04/01/14 09:20	04/01/14 20:04	1
Selenium	<0.56		0.56	0.20	mg/Kg	☼	04/01/14 09:20	04/01/14 20:04	1
Silver	**0.049**	**J**	0.28	0.020	mg/Kg	☼	04/01/14 09:20	04/01/14 20:04	1
Sodium	**1900**		56	7.5	mg/Kg	☼	04/01/14 09:20	04/01/14 20:04	1
Thallium	**0.53**	**J**	0.56	0.24	mg/Kg	☼	04/01/14 09:20	04/01/14 20:04	1
Vanadium	**22**		0.28	0.041	mg/Kg	☼	04/01/14 09:20	04/01/14 20:04	1
Zinc	**68**		1.1	0.23	mg/Kg	☼	04/01/14 09:20	04/01/14 20:04	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/03/14 13:10	04/04/14 10:01	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.10**	**J**	0.20	0.020	ug/L		04/03/14 13:10	04/04/14 11:52	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**34**		17	6.8	ug/Kg	☼	04/01/14 14:20	04/02/14 11:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.25**		0.200	0.200	SU			04/06/14 12:35	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74181-1

Client Sample ID: IP17(0-4)-033114
Date Collected: 03/31/14 15:00
Date Received: 03/31/14 15:40

Lab Sample ID: 500-74181-12
Matrix: Solid
Percent Solids: 83.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		04/02/14 16:20	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		04/02/14 16:20	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/02/14 16:20	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		04/02/14 16:20	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		04/02/14 16:20	1
Carbon disulfide	<6.0		6.0	0.89	ug/Kg	☼		04/02/14 16:20	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		04/02/14 16:20	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		04/02/14 16:20	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		04/02/14 16:20	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		04/02/14 16:20	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		04/02/14 16:20	1
cis-1,2-Dichloroethene	<6.0		6.0	0.84	ug/Kg	☼		04/02/14 16:20	1
cis-1,3-Dichloropropene	<6.0		6.0	0.78	ug/Kg	☼		04/02/14 16:20	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/02/14 16:20	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		04/02/14 16:20	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/02/14 16:20	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		04/02/14 16:20	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		04/02/14 16:20	1
1,3-Dichloropropene, Total	<6.0		6.0	0.78	ug/Kg	☼		04/02/14 16:20	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		04/02/14 16:20	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		04/02/14 16:20	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		04/02/14 16:20	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		04/02/14 16:20	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		04/02/14 16:20	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		04/02/14 16:20	1
Styrene	<6.0		6.0	0.78	ug/Kg	☼		04/02/14 16:20	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/02/14 16:20	1
Tetrachloroethene	<6.0		6.0	0.91	ug/Kg	☼		04/02/14 16:20	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		04/02/14 16:20	1
trans-1,2-Dichloroethene	<6.0		6.0	0.82	ug/Kg	☼		04/02/14 16:20	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		04/02/14 16:20	1
1,1,1-Trichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/02/14 16:20	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		04/02/14 16:20	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		04/02/14 16:20	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		04/02/14 16:20	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		04/02/14 16:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 122*		*04/02/14 16:20*	*1*
Dibromofluoromethane	*117*		*75 - 120*		*04/02/14 16:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 134*		*04/02/14 16:20*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*04/02/14 16:20*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74181-1

Client Sample ID: IP17(0-4)-033114
Date Collected: 03/31/14 15:00
Date Received: 03/31/14 15:40

Lab Sample ID: 500-74181-12
Matrix: Solid
Percent Solids: 83.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
2,4-Dinitrophenol	<770		770	680	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
2-Methylphenol	<190		190	62	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Anthracene	**27**	**J**	38	6.4	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Benzo[a]anthracene	**83**		38	5.2	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Benzo[a]pyrene	**74**		38	7.4	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Benzo[b]fluoranthene	**110**		38	8.3	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Benzo[g,h,i]perylene	**56**		38	12	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Benzo[k]fluoranthene	**56**		38	11	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Carbazole	<190		190	99	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Chrysene	**110**		38	10	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Dibenz(a,h)anthracene	**30**	**J**	38	7.4	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Dibenzofuran	<190		190	45	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Fluoranthene	**160**		38	7.1	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Fluorene	<38		38	5.4	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Hexachloroethane	<190		190	58	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1

Client Sample ID: IP17(0-4)-033114
Date Collected: 03/31/14 15:00
Date Received: 03/31/14 15:40

Lab Sample ID: 500-74181-12
Matrix: Solid
Percent Solids: 83.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	44		38	9.9	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Isophorone	<190		190	43	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Naphthalene	<38		38	5.9	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Pentachlorophenol	<770		770	620	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Phenanthrene	97		38	5.3	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Phenol	<190		190	85	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1
Pyrene	120		38	7.6	ug/Kg	☼	04/01/14 07:02	04/04/14 14:46	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*89*		*35 - 137*	*04/01/14 07:02*	*04/04/14 14:46*	*1*
2-Fluorobiphenyl	*70*		*25 - 119*	*04/01/14 07:02*	*04/04/14 14:46*	*1*
2-Fluorophenol	*69*		*25 - 110*	*04/01/14 07:02*	*04/04/14 14:46*	*1*
Nitrobenzene-d5	*59*		*25 - 115*	*04/01/14 07:02*	*04/04/14 14:46*	*1*
Phenol-d5	*69*		*31 - 110*	*04/01/14 07:02*	*04/04/14 14:46*	*1*
Terphenyl-d14	*108*		*36 - 134*	*04/01/14 07:02*	*04/04/14 14:46*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/14 08:45	04/04/14 16:07	1
Barium	0.55		0.50	0.050	mg/L		04/03/14 08:45	04/04/14 16:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/14 08:45	04/04/14 16:07	1
Cadmium	0.0032	J	0.0050	0.0020	mg/L		04/03/14 08:45	04/04/14 16:07	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/14 08:45	04/04/14 16:07	1
Cobalt	0.032		0.025	0.010	mg/L		04/03/14 08:45	04/04/14 16:07	1
Copper	0.025		0.025	0.010	mg/L		04/03/14 08:45	04/04/14 16:07	1
Iron	<0.20		0.20	0.20	mg/L		04/03/14 08:45	04/04/14 16:07	1
Lead	0.032		0.0075	0.0075	mg/L		04/03/14 08:45	04/04/14 16:07	1
Manganese	4.4		0.025	0.010	mg/L		04/03/14 08:45	04/04/14 16:07	1
Nickel	0.051		0.025	0.010	mg/L		04/03/14 08:45	04/04/14 16:07	1
Selenium	<0.050		0.050	0.010	mg/L		04/03/14 08:45	04/04/14 16:07	1
Silver	<0.025		0.025	0.010	mg/L		04/03/14 08:45	04/04/14 16:07	1
Zinc	0.13		0.10	0.020	mg/L		04/03/14 08:45	04/04/14 16:07	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/14 09:20	04/04/14 23:29	1
Barium	0.19	J B	0.50	0.050	mg/L		04/03/14 09:20	04/04/14 23:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/14 09:20	04/04/14 23:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/14 09:20	04/04/14 23:29	1
Chromium	0.015	J	0.025	0.010	mg/L		04/03/14 09:20	04/04/14 23:29	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/14 09:20	04/04/14 23:29	1
Copper	0.052		0.025	0.010	mg/L		04/09/14 08:45	04/09/14 19:09	1
Iron	9.3		0.20	0.20	mg/L		04/03/14 09:20	04/04/14 23:29	1
Lead	0.011		0.0075	0.0075	mg/L		04/03/14 09:20	04/04/14 23:29	1
Manganese	0.096		0.025	0.010	mg/L		04/03/14 09:20	04/04/14 23:29	1
Nickel	0.012	J	0.025	0.010	mg/L		04/03/14 09:20	04/04/14 23:29	1
Selenium	<0.050		0.050	0.010	mg/L		04/03/14 09:20	04/04/14 23:29	1

Client Sample ID: IP17(0-4)-033114
Date Collected: 03/31/14 15:00
Date Received: 03/31/14 15:40

Lab Sample ID: 500-74181-12
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/03/14 09:20	04/04/14 23:29	1
Zinc	**0.49**	**B**	0.10	0.020	mg/L		04/09/14 08:45	04/09/14 19:09	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Aluminum	**12000**		12	2.3	mg/Kg	☼	04/01/14 09:20	04/01/14 20:10	1
Antimony	<1.2		1.2	0.47	mg/Kg	☼	04/01/14 09:20	04/01/14 20:10	1
Arsenic	**6.6**		0.59	0.12	mg/Kg	☼	04/01/14 09:20	04/01/14 20:10	1
Barium	**72**		0.59	0.063	mg/Kg	☼	04/01/14 09:20	04/02/14 21:52	1
Beryllium	**0.59**		0.23	0.047	mg/Kg	☼	04/01/14 09:20	04/01/14 20:10	1
Cadmium	**0.85**		0.12	0.015	mg/Kg	☼	04/01/14 09:20	04/01/14 20:10	1
Calcium	**34000**	**B**	12	3.2	mg/Kg	☼	04/01/14 09:20	04/01/14 20:10	1
Chromium	**23**	**B**	0.59	0.068	mg/Kg	☼	04/01/14 09:20	04/01/14 20:10	1
Cobalt	**9.1**		0.29	0.059	mg/Kg	☼	04/01/14 09:20	04/01/14 20:10	1
Copper	**26**		0.59	0.12	mg/Kg	☼	04/01/14 09:20	04/01/14 20:10	1
Iron	**18000**		12	4.8	mg/Kg	☼	04/01/14 09:20	04/01/14 20:10	1
Lead	**95**	**B**	0.29	0.087	mg/Kg	☼	04/01/14 09:20	04/01/14 20:10	1
Magnesium	**19000**	**B**	5.9	1.2	mg/Kg	☼	04/01/14 09:20	04/01/14 20:10	1
Manganese	**360**		0.59	0.12	mg/Kg	☼	04/01/14 09:20	04/01/14 20:10	1
Nickel	**25**		0.59	0.12	mg/Kg	☼	04/01/14 09:20	04/01/14 20:10	1
Potassium	**2700**		29	1.8	mg/Kg	☼	04/01/14 09:20	04/01/14 20:10	1
Selenium	<0.59		0.59	0.21	mg/Kg	☼	04/01/14 09:20	04/01/14 20:10	1
Silver	**0.035**	**J**	0.29	0.021	mg/Kg	☼	04/01/14 09:20	04/01/14 20:10	1
Sodium	**2800**		59	7.9	mg/Kg	☼	04/01/14 09:20	04/02/14 21:52	1
Thallium	**0.43**	**J**	0.59	0.25	mg/Kg	☼	04/01/14 09:20	04/01/14 20:10	1
Vanadium	**22**		0.29	0.043	mg/Kg	☼	04/01/14 09:20	04/01/14 20:10	1
Zinc	**55**		1.2	0.24	mg/Kg	☼	04/01/14 09:20	04/01/14 20:10	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/03/14 13:10	04/04/14 10:03	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/03/14 13:10	04/04/14 11:54	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**39**		19	7.5	ug/Kg	☼	04/01/14 14:20	04/02/14 11:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.94**		0.200	0.200	SU			04/06/14 12:37	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
X	Surrogate is outside control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74181-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15 *

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

* Expired certification is currently pending renewal and is considered valid.

TestAmerica

THE LEADER IN ENVIRONME

2417 Bond Street, University Park
Phone: 708.534.5200 Fax: 7

500-74181 COC

(optional)

Report To
Contact: S. Babusu Kumar
Company: Weston Solutions Inc.
Address: 750 E Bunker Ct Ste. 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax: 847-918-4055
E-Mail:

(optional)

Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74181

Chain of Custody Number:

Page 1 of 1

Temperature °C of Cooler: (4.3)(3.9)

Client: Weston Solutions
Client Project #: 02056.013.050.0020
Project Name: IDOT 050-IL 171 from 44th to 55th St.
Project Location/State: Lyons/McCook/Summit, IL
Lab Project #:
Sampler: M. Doheny-Skubic
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	TOTAL METALS	TCLP/SPLP METALS	pH	PCBs				Comments
								8	8	8	8	8	8				
1		DR-3(0-4.5)-033114	3-31-14	1330	2	S		X	X	X	X	X	X				~~NO PCBs~~
2		DR-4(0-4.9)-033114	3-31-14	1345	2	S		X	X	X	X	X	X				
3		DR-5(0-3)-033114	3-31-14	1400	2	S		X	X	X	X	X	X				
4		DR-5(3.6-5)-033114	3-31-14	1405	2	S		X	X	X	X	X	X				
5		DR-2(0-3)-033114	3-31-14	1420	2	S		X	X	X	X	X	X				
6		DR-2(3.6-5)-033114	3-31-14	1425	2	S		X	X	X	X	X	X				
7		DR-1(0-3)-033114	3-31-14	1435	2	S		X	X	X	X	X	X				
8		DR-1(3.6-5)-033114	3-31-14	1440	2	S		X	X	X	X	X	X				
9		DR-6(0-3)-033114	3-31-14	1455	2	S		X	X	X	X	X	X				
10		DR-6(3.6-5)-033114	3-31-14	1500	2	S		X	X	X	X	X	X				

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Anthony Doheny	Weston	3-31-14	1540		TA	3/31/14	1540
	TA	3/31/14	1630		TA	4/1/14	0600

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)

Report To
Contact: S. Babusukumar
Company: Weston
Address: 750 E. Bunker Court Suite 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax:
E-Mail:

(optional)

Bill To
Contact:
Company:
Address: SAMB
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-24181

Chain of Custody Number:

Page 3 of 3

Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT - 050/051
Project Location/State: McCook, IL
Lab Project #:
Sampler: Dan Cukierski
Lab PM:

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Total Aluminum				Comments
11		IP-18(0-4)-033114D	3/31/14	1445	2	S		X	X	X	X	X	X				
12		IP-17(0-4)-033114	3/31/14	1500	2	S		X	X	X	X	X	X				
13		IP-16(0-4)-033114	3/31/14	1510	2	S		X	X	X	X	X	X				

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard ___ Other
Requested Due Date

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
DP	Weston	3/31/14	1520		TA	3/31/14	1520
	TA	3/31/14	1630		TA	4/1/14	0600

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TAL-4124-500 (1209)
4/10/2014

Illinois Environmental Protection Agency

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663

Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAP 372: IL 171 (1st Ave) from 47th St to 55th St Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):

8700 Joliet Road

City: McCook State: IL Zip Code: _____

County: Cook Township: _____

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.797178304 (Decimal Degrees) Longitude: -87.831056712 (-Decimal Degrees)

Identify how the lat/long data were determined:

☒ GPS ☐ Map Interpolation ☐ Photo Interpolation ☐ Survey ☐ Other

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner		Site Operator	
Name:	Illinois Department of Transportation	Name:	Illinois Department of Transportation
Street Address:	201 West Center Court	Street Address:	201 West Center Court
PO Box:		PO Box:	
City:	Schaumburg	City:	Schaumburg
State:	IL	State:	IL
Zip Code:	60196-1096	Zip Code:	60196-1096
Phone:	847-705-4101	Phone:	847-705-4101
Contact:	Sam Mead	Contact:	Sam Mead
Email, if available:	Sam.Mead@illinois.gov	Email, if available:	Sam.Mead@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAP 372: IL 171 (1st Ave) from 47th St to 55th St

Latitude: 41.797178304 Longitude: -87.831056712

Uncontaminated Site Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

LOCATIONS EL-1 THROUGH EL-7 WERE SAMPLED ADJACENT TO ISGS SITE No. 1860-15. SEE FIGURE 3-6 AND TABLE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201(g), 1100.205(a), 1100.610]:

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-74263-1
TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-74264-1

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Steven Gobelman, P.E., L.P.G (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman, P.E., L.P.G
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

6/12/14
Date:

STEVEN GOBELMAN
196-000598
LICENSED
PROFESSIONAL
GEOLOGIST
STATE OF ILLINOIS

P.E. or L.P.G. Seal:

Summary Table of ISGS Site No. 1860-15
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	EL-1(0-2)-040114	EL-2(0-2)-040114	EL-3(0-2)-040114	EL-4(0-2)-040114	Soil Reference Concentrations[A]
Sample Date	4/1/2014	4/1/2014	4/1/2014	4/1/2014	
Location ID	EL-1	EL-2	EL-3	EL-4	
ISGS Site No.	1860-15	1860-15	1860-15	1860-15	
Depth	0 - 2	0 - 2	0 - 2	0 - 2	
Parameter					
Laboratory pH (s.u.)	8.12	8.04	8	8.2	<6.25,>9.0
VOCs (ug/kg)					
Acetone	14	27	32	47	25000
Methyl ethyl ketone	ND	4.7 J	6.1	12	17000
SVOCs (ug/kg)					
2-Methylnaphthalene	45	ND	ND	11 J	---
Acenaphthene	16 J	38	ND	16 J	570000
Acenaphthylene	18 J	19 J	13 J	38	85000
Anthracene	47	160	8.9 J	110	1.20E+07
Benzo(a)anthracene	96	240	30 J	370	900 / 1100 / 1800
Benzo(a)pyrene	87	190	29 J	280	90 / 1300 / 2100
Benzo(b)fluoranthene	130	200	43	410	900 / 1500 / 2100
Benzo(g,h,i)perylene	79	92	27 J	200	2300000
Benzo(k)fluoranthene	44	180	21 J	170	9000
bis(2-Ethylhexyl)phthalate	ND	ND	ND	ND	46000
Chrysene	130	260	37	390	88000
Dibenzo(a,h)anthracene	25 J	52	ND	14 J	90 / 200 / 420
Fluoranthene	190	560	36 J	640	3100000
Fluorene	25 J	8.7 J	ND	27 J	560000
Indeno(1,2,3-cd)pyrene	54	77	18 J	160	900 / 900 / 1600
Naphthalene, SVOC	24 J	ND	ND	12 J	1800
Phenanthrene	190	110	25 J	280	210000
Pyrene	330	690	52	620	2300000
Total Metals (mg/kg)					
Antimony, Total	0.54 J	ND	ND	0.56 J	5
Arsenic, Total	9.2	8.2 J	12 J	8.8 J	11.3 / 13
Barium, Total	46	70 J	82 J	100 J	1500
Beryllium, Total	0.49	0.73	0.65	0.86	22
Cadmium, Total	0.68	1 J	1 J	1.1 J	5.2
Calcium, Total	53000 J+	33000 J	30000 J	23000 J	---
Chromium, Total	14 J+	21 J	19 J	25 J	21
Cobalt, Total	8.8	11 J	9.8 J	16 J	20
Copper, Total	24 J-	29 J	29 J	36 J	2900
Iron, Total	18000 J+	23000 J+	22000 J+	25000 J+	15000 / 15900
Lead, Total	12 J	14 J	16 J	17 J	107
Magnesium, Total	32000 J+	17000 J	17000 J	16000 J	325000
Manganese, Total	270 J	480 J	280 J	290 J	630 / 636
Mercury, Total	0.023 J	0.037	0.032	0.055	0.89
Nickel, Total	22 ^	30 J	26 J	39 J	100
Potassium, Total	2900 J+	3100 J	3000 J	4200 J	---
Silver, Total	ND	ND	0.035 J	0.02 J	4.4
Sodium, Total	1700 J+	1400 J	940 J	2200 J	---
Thallium, Total	0.24 J	0.65	0.49 J	0.71	2.6
Vanadium, Total	19	27	26	31	550
Zinc, Total	43	46 J	53 J	50 J	5100
TCLP Metals (mg/l)					
Barium, TCLP	0.41 J	0.85	0.75	0.81	2
Cadmium, TCLP	ND	0.002 J	0.0028 J	0.0055	0.005
Cobalt, TCLP	0.014 J	0.015 J	0.044	0.067	1
Copper, TCLP	ND	0.011 J	0.013 J	0.017 J	0.65
Iron, TCLP	ND	ND	0.65	0.52	5
Lead, TCLP	ND	ND	0.012	0.072	0.0075
Manganese, TCLP	3.8	5.6	10	5.3	0.15
Nickel, TCLP	0.013 J	0.012 J	0.03	0.073	0.1
Zinc, TCLP	ND	0.14	0.14	0.19	5

Summary Table of ISGS Site No. 1860-15
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	EL-1(0-2)-040114	EL-2(0-2)-040114	EL-3(0-2)-040114	EL-4(0-2)-040114	**Soil Reference Concentrations[A]**
Sample Date	4/1/2014	4/1/2014	4/1/2014	4/1/2014	
Location ID	EL-1	EL-2	EL-3	EL-4	
ISGS Site No.	1860-15	1860-15	1860-15	1860-15	
Depth	0 - 2	0 - 2	0 - 2	0 - 2	
Parameter					
SPLP Metals (mg/l)					
Arsenic, SPLP	ND	ND	ND	0.029 J	0.05
Barium, SPLP	0.42 J	0.29 J	0.15 J	0.46 J	2
Beryllium, SPLP	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	0.005
Chromium, SPLP	ND	0.014 J	ND	0.085	0.1
Cobalt, SPLP	0.016 J	ND	ND	0.037	1
Copper, SPLP	0.037	ND	ND	ND	0.65
Iron, SPLP	5.5 J	12	1.8	76	5
Lead, SPLP	0.048	0.042	ND	0.26	0.0075
Manganese, SPLP	0.59	0.47	0.18	0.71	0.15
Mercury, SPLP	0.00017 J	0.000077 J	ND	0.000092 J	0.002
Nickel, SPLP	0.017 J	0.019 J	ND	0.11	0.1
Zinc, SPLP	0.19	ND	ND	0.35 B	5

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

^ - Laboratory Control Spike (LCS) or LCS duplicate exceeded the control limits.

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

Shaded values indicate concentration **exceeds** Reference Concentration.

Summary Table of ISGS Site No. 1860-15
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	EL-5(0-2)-040114	EL-6(0-2)-040114	EL-7(0-5)-040114	EL-7(0-5)-040114D	Soil Reference Concentrations[A]
Sample Date	4/1/2014	4/1/2014	4/1/2014	4/1/2014	
Location ID	EL-5	EL-6	EL-7	EL-7	
ISGS Site No.	1860-15	1860-15	1860-15	1860-15	
Depth	0 - 2	0 - 2	0 - 5	0 - 5	
Parameter					
Laboratory pH (s.u.)	8.42	8.3	7.73	7.67	<6.25,>9.0
VOCs (ug/kg)					
Acetone	10	ND	ND	ND	25000
Methyl ethyl ketone	ND	ND	ND	ND	17000
SVOCs (ug/kg)					
2-Methylnaphthalene	ND	ND	13 J	11 J	---
Acenaphthene	ND	ND	9 J	ND	570000
Acenaphthylene	ND	ND	11 J	ND	85000
Anthracene	ND	ND	31 J	9.6 J	1.20E+07
Benzo(a)anthracene	ND	19 J	130 J	1100 J	900 / 1100 / 1800
Benzo(a)pyrene	ND	41	100 J	42 J	90 / 1300 / 2100
Benzo(b)fluoranthene	ND	41	140	94	900 / 1500 / 2100
Benzo(g,h,i)perylene	ND	34 J	94 J	42 J	2300000
Benzo(k)fluoranthene	ND	24 J	67 J	32 J	9000
bis(2-Ethylhexyl)phthalate	ND	ND	88 J	110 J	46000
Chrysene	ND	28 J	140 J	65 J	88000
Dibenzo(a,h)anthracene	ND	ND	23 J	ND	90 / 200 / 420
Fluoranthene	ND	30 J	230 J	64 J	3100000
Fluorene	ND	ND	15 J	ND	560000
Indeno(1,2,3-cd)pyrene	ND	29 J	71 J	32 J	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	11 J	12 J	1800
Phenanthrene	ND	19 J	150 J	45 J	210000
Pyrene	8.9 J	34 J	290 J	110 J	2300000
Total Metals (mg/kg)					
Antimony, Total	0.46 J	ND	ND	0.51 J	5
Arsenic, Total	13 J	5.7 J	7.4	9.7	11.3 / 13
Barium, Total	55 J	58 J	44	70	1500
Beryllium, Total	0.63	0.59	0.4	0.43	22
Cadmium, Total	1.3 J	0.84 J	0.65	0.75	5.2
Calcium, Total	55000 J	55000 J	100000 J+	85000 J+	---
Chromium, Total	19 J	19 J	13 J+	16 J+	21
Cobalt, Total	10 J	10 J	7.1	9.6	20
Copper, Total	27 J	25 J	24 J-	27 J-	2900
Iron, Total	27000 J+	18000 J+	17000 J+	17000 J+	15000 / 15900
Lead, Total	12 J	18 J	15 J	25 J	107
Magnesium, Total	27000 J	27000 J	43000 J+	38000 J+	325000
Manganese, Total	420 J	390 J	320 J	410 J	630 / 636
Mercury, Total	0.021	0.025	0.048 J	0.025 J	0.89
Nickel, Total	27 J	25 J	17 ^	19 ^	100
Potassium, Total	3800 J	3900 J	2500 J+	2300 J+	---
Silver, Total	0.053 J	0.063 J	0.033 J	0.056 J	4.4
Sodium, Total	2500 J	2800 J	990 J+	770 J+	---
Thallium, Total	0.42 J	ND	ND	0.46 J	2.6
Vanadium, Total	24	22	17	18	550
Zinc, Total	43 J	49 J	44	73	5100
TCLP Metals (mg/l)					
Barium, TCLP	0.67	0.65	ND	ND	2
Cadmium, TCLP	0.0021 J	0.0041 J	ND	0.0021 J	0.005
Cobalt, TCLP	0.049	0.016 J	ND	ND	1
Copper, TCLP	0.01 J	0.012 J	0.055 J	ND	0.65
Iron, TCLP	0.36	ND	ND	ND	5
Lead, TCLP	ND	ND	0.01	ND	0.0075
Manganese, TCLP	4.9	2.9	1.1	1.4	0.15
Nickel, TCLP	0.05	0.017 J	0.013 J	0.013 J	0.1
Zinc, TCLP	0.12	0.18	ND	ND	5

Summary Table of ISGS Site No. 1860-15
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	EL-5(0-2)-040114	EL-6(0-2)-040114	EL-7(0-5)-040114	EL-7(0-5)-040114D	**Soil Reference Concentrations[A]**
Sample Date	4/1/2014	4/1/2014	4/1/2014	4/1/2014	
Location ID	EL-5	EL-6	EL-7	EL-7	
ISGS Site No.	1860-15	1860-15	1860-15	1860-15	
Depth	0 - 2	0 - 2	0 - 5	0 - 5	
Parameter					
SPLP Metals (mg/l)					
Arsenic, SPLP	0.042 J	0.077	ND	ND	0.05
Barium, SPLP	0.66	0.95	0.17 J	0.18 J	2
Beryllium, SPLP	0.0047	0.0068	ND	ND	0.004
Cadmium, SPLP	ND	0.0068	ND	ND	0.005
Chromium, SPLP	0.12	0.23	ND	ND	0.1
Cobalt, SPLP	0.049	0.081	ND	ND	1
Copper, SPLP	ND	0.55	0.01 J	ND	0.65
Iron, SPLP	100	190	0.22 J	0.23 J	5
Lead, SPLP	0.084	0.11	ND	ND	0.0075
Manganese, SPLP	1.2	1.6	0.024 J	0.044 J	0.15
Mercury, SPLP	0.00016 J	0.00089	ND	ND	0.002
Nickel, SPLP	0.14	0.21	ND	ND	0.1
Zinc, SPLP	0.36 B	1.3 B	0.15	0.13	5

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

^ - Laboratory Control Spike (LCS) or LCS duplicate exceeded the control limits.

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

Shaded values indicate concentration **exceeds** Reference Concentration.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-74263-1
Client Project/Site: IDOT - Lyons, McCook, Summit - 050

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar

Authorized for release by:
4/11/2014 10:44:47 AM

Richard Wright, Senior Project Manager
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richard.wright@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client Sample ID: EL-1(0-2)-040114
Date Collected: 04/01/14 11:45
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-13
Matrix: Solid
Percent Solids: 87.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	14		5.7	2.5	ug/Kg	☼		04/02/14 17:20	1
Benzene	<5.7		5.7	0.79	ug/Kg	☼		04/02/14 17:20	1
Bromodichloromethane	<5.7		5.7	0.99	ug/Kg	☼		04/02/14 17:20	1
Bromoform	<5.7		5.7	1.3	ug/Kg	☼		04/02/14 17:20	1
Bromomethane	<5.7		5.7	1.7	ug/Kg	☼		04/02/14 17:20	1
Carbon disulfide	<5.7		5.7	0.86	ug/Kg	☼		04/02/14 17:20	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	☼		04/02/14 17:20	1
Chlorobenzene	<5.7		5.7	0.58	ug/Kg	☼		04/02/14 17:20	1
Chloroethane	<5.7	*	5.7	1.6	ug/Kg	☼		04/02/14 17:20	1
Chloroform	<5.7		5.7	0.66	ug/Kg	☼		04/02/14 17:20	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	☼		04/02/14 17:20	1
cis-1,2-Dichloroethene	<5.7		5.7	0.81	ug/Kg	☼		04/02/14 17:20	1
cis-1,3-Dichloropropene	<5.7		5.7	0.75	ug/Kg	☼		04/02/14 17:20	1
Dibromochloromethane	<5.7		5.7	1.0	ug/Kg	☼		04/02/14 17:20	1
1,1-Dichloroethane	<5.7		5.7	0.91	ug/Kg	☼		04/02/14 17:20	1
1,2-Dichloroethane	<5.7		5.7	0.85	ug/Kg	☼		04/02/14 17:20	1
1,1-Dichloroethene	<5.7		5.7	0.93	ug/Kg	☼		04/02/14 17:20	1
1,2-Dichloropropane	<5.7		5.7	0.87	ug/Kg	☼		04/02/14 17:20	1
1,3-Dichloropropene, Total	<5.7		5.7	0.75	ug/Kg	☼		04/02/14 17:20	1
Ethylbenzene	<5.7		5.7	1.2	ug/Kg	☼		04/02/14 17:20	1
2-Hexanone	<5.7		5.7	1.7	ug/Kg	☼		04/02/14 17:20	1
Methylene Chloride	<5.7		5.7	1.6	ug/Kg	☼		04/02/14 17:20	1
Methyl Ethyl Ketone	<5.7		5.7	2.1	ug/Kg	☼		04/02/14 17:20	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	☼		04/02/14 17:20	1
Methyl tert-butyl ether	<5.7		5.7	0.95	ug/Kg	☼		04/02/14 17:20	1
Styrene	<5.7		5.7	0.75	ug/Kg	☼		04/02/14 17:20	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	1.2	ug/Kg	☼		04/02/14 17:20	1
Tetrachloroethene	<5.7		5.7	0.88	ug/Kg	☼		04/02/14 17:20	1
Toluene	<5.7		5.7	0.80	ug/Kg	☼		04/02/14 17:20	1
trans-1,2-Dichloroethene	<5.7		5.7	0.79	ug/Kg	☼		04/02/14 17:20	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	☼		04/02/14 17:20	1
1,1,1-Trichloroethane	<5.7		5.7	0.86	ug/Kg	☼		04/02/14 17:20	1
1,1,2-Trichloroethane	<5.7		5.7	0.78	ug/Kg	☼		04/02/14 17:20	1
Trichloroethene	<5.7		5.7	0.95	ug/Kg	☼		04/02/14 17:20	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	☼		04/02/14 17:20	1
Xylenes, Total	<11		11	0.52	ug/Kg	☼		04/02/14 17:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 122*		*04/02/14 17:20*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*04/02/14 17:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 134*		*04/02/14 17:20*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*04/02/14 17:20*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: EL-1(0-2)-040114
Date Collected: 04/01/14 11:45
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-13
Matrix: Solid
Percent Solids: 87.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	84	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
2-Methylnaphthalene	**45**		37	6.8	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
2-Methylphenol	<190		190	59	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Acenaphthene	**16**	**J**	37	6.6	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Acenaphthylene	**18**	**J**	37	4.9	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Anthracene	**47**		37	6.2	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Benzo[a]anthracene	**96**		37	5.0	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Benzo[a]pyrene	**87**		37	7.2	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Benzo[b]fluoranthene	**130**		37	8.0	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Benzo[g,h,i]perylene	**79**		37	12	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Benzo[k]fluoranthene	**44**		37	11	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Carbazole	<190		190	96	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Chrysene	**130**		37	10	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Dibenz(a,h)anthracene	**25**	**J**	37	7.1	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Dibenzofuran	<190		190	43	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Fluoranthene	**190**		37	6.9	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Fluorene	**25**	**J**	37	5.2	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Hexachloroethane	<190		190	56	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1

Client Sample ID: EL-1(0-2)-040114
Date Collected: 04/01/14 11:45
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-13
Matrix: Solid
Percent Solids: 87.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	54		37	9.6	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Isophorone	<190		190	42	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Naphthalene	24	J	37	5.7	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
N-Nitrosodi-n-propylamine	<190		190	45	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Pentachlorophenol	<750		750	590	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Phenanthrene	190		37	5.2	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Phenol	<190		190	82	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1
Pyrene	330		37	7.3	ug/Kg	☼	04/03/14 07:22	04/04/14 16:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*66*		*35 - 137*	*04/03/14 07:22*	*04/04/14 16:22*	*1*
2-Fluorobiphenyl	*64*		*25 - 119*	*04/03/14 07:22*	*04/04/14 16:22*	*1*
2-Fluorophenol	*43*		*25 - 110*	*04/03/14 07:22*	*04/04/14 16:22*	*1*
Nitrobenzene-d5	*45*		*25 - 115*	*04/03/14 07:22*	*04/04/14 16:22*	*1*
Phenol-d5	*52*		*31 - 110*	*04/03/14 07:22*	*04/04/14 16:22*	*1*
Terphenyl-d14	*104*		*36 - 134*	*04/03/14 07:22*	*04/04/14 16:22*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 18:43	1
Barium	0.41	J	0.50	0.050	mg/L		04/04/14 10:15	04/04/14 18:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/14 10:15	04/04/14 18:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/14 10:15	04/04/14 18:43	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:43	1
Cobalt	0.014	J	0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:43	1
Copper	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:43	1
Iron	<0.20		0.20	0.20	mg/L		04/04/14 10:15	04/04/14 18:43	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/04/14 10:15	04/04/14 18:43	1
Manganese	3.8		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:43	1
Nickel	0.013	J	0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:43	1
Selenium	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 18:43	1
Silver	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:43	1
Zinc	0.062	J	0.10	0.020	mg/L		04/04/14 10:15	04/04/14 18:43	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/08/14 00:31	1
Barium	0.42	J	0.50	0.050	mg/L		04/07/14 09:00	04/08/14 00:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:00	04/08/14 00:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:00	04/08/14 00:31	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:31	1
Cobalt	0.016	J	0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:31	1
Copper	0.037		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:31	1
Iron	5.5		0.20	0.20	mg/L		04/07/14 09:00	04/08/14 00:31	1
Lead	0.048		0.0075	0.0075	mg/L		04/07/14 09:00	04/08/14 00:31	1
Manganese	0.59		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:31	1
Nickel	0.017	J	0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:31	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/08/14 00:31	1

Client Sample ID: EL-1(0-2)-040114
Date Collected: 04/01/14 11:45
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-13
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025	^	0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:31	1
Zinc	**0.19**		0.10	0.020	mg/L		04/07/14 09:00	04/08/14 00:31	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.54**	**J**	1.1	0.45	mg/Kg	☼	04/02/14 15:30	04/04/14 02:29	1
Arsenic	**9.2**		0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 02:29	1
Barium	**46**		0.55	0.059	mg/Kg	☼	04/02/14 15:30	04/04/14 02:29	1
Beryllium	**0.49**		0.22	0.044	mg/Kg	☼	04/02/14 15:30	04/04/14 02:29	1
Cadmium	**0.68**		0.11	0.014	mg/Kg	☼	04/02/14 15:30	04/04/14 02:29	1
Calcium	**53000**	**B**	11	3.0	mg/Kg	☼	04/02/14 15:30	04/04/14 02:29	1
Chromium	**14**		0.55	0.064	mg/Kg	☼	04/02/14 15:30	04/04/14 02:29	1
Cobalt	**8.8**		0.28	0.055	mg/Kg	☼	04/02/14 15:30	04/04/14 02:29	1
Copper	**24**		0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 02:29	1
Iron	**18000**		11	4.6	mg/Kg	☼	04/02/14 15:30	04/04/14 02:29	1
Lead	**12**	**B**	0.28	0.082	mg/Kg	☼	04/02/14 15:30	04/04/14 02:29	1
Magnesium	**32000**	**B**	5.5	1.1	mg/Kg	☼	04/02/14 15:30	04/04/14 02:29	1
Manganese	**270**		0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 02:29	1
Nickel	**22**	**^**	0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 02:29	1
Potassium	**2900**		28	1.7	mg/Kg	☼	04/02/14 15:30	04/04/14 02:29	1
Selenium	<0.55		0.55	0.20	mg/Kg	☼	04/02/14 15:30	04/04/14 02:29	1
Silver	<0.28		0.28	0.020	mg/Kg	☼	04/02/14 15:30	04/04/14 02:29	1
Sodium	**1700**		55	7.4	mg/Kg	☼	04/02/14 15:30	04/04/14 02:29	1
Thallium	**0.24**	**J**	0.55	0.23	mg/Kg	☼	04/02/14 15:30	04/04/14 02:29	1
Vanadium	**19**		0.28	0.041	mg/Kg	☼	04/02/14 15:30	04/04/14 02:29	1
Zinc	**43**		1.1	0.22	mg/Kg	☼	04/02/14 15:30	04/04/14 02:29	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.040**	**J B**	0.20	0.020	ug/L		04/04/14 15:00	04/07/14 14:07	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.17**	**J**	0.20	0.020	ug/L		04/07/14 16:10	04/08/14 10:46	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**23**		17	6.7	ug/Kg	☼	04/02/14 14:30	04/03/14 09:48	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.12**		0.200	0.200	SU			04/06/14 13:39	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: EL-7(0-5)-040114
Date Collected: 04/01/14 12:05
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-14
Matrix: Solid
Percent Solids: 82.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.1		6.1	2.6	ug/Kg	☼		04/02/14 17:44	1
Benzene	<6.1		6.1	0.83	ug/Kg	☼		04/02/14 17:44	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		04/02/14 17:44	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		04/02/14 17:44	1
Bromomethane	<6.1		6.1	1.8	ug/Kg	☼		04/02/14 17:44	1
Carbon disulfide	<6.1		6.1	0.91	ug/Kg	☼		04/02/14 17:44	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		04/02/14 17:44	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		04/02/14 17:44	1
Chloroethane	<6.1	*	6.1	1.7	ug/Kg	☼		04/02/14 17:44	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		04/02/14 17:44	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		04/02/14 17:44	1
cis-1,2-Dichloroethene	<6.1		6.1	0.86	ug/Kg	☼		04/02/14 17:44	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		04/02/14 17:44	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		04/02/14 17:44	1
1,1-Dichloroethane	<6.1		6.1	0.96	ug/Kg	☼		04/02/14 17:44	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		04/02/14 17:44	1
1,1-Dichloroethene	<6.1		6.1	0.98	ug/Kg	☼		04/02/14 17:44	1
1,2-Dichloropropane	<6.1		6.1	0.92	ug/Kg	☼		04/02/14 17:44	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		04/02/14 17:44	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		04/02/14 17:44	1
2-Hexanone	<6.1		6.1	1.8	ug/Kg	☼		04/02/14 17:44	1
Methylene Chloride	<6.1		6.1	1.6	ug/Kg	☼		04/02/14 17:44	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		04/02/14 17:44	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		04/02/14 17:44	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		04/02/14 17:44	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		04/02/14 17:44	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		04/02/14 17:44	1
Tetrachloroethene	<6.1		6.1	0.93	ug/Kg	☼		04/02/14 17:44	1
Toluene	<6.1		6.1	0.85	ug/Kg	☼		04/02/14 17:44	1
trans-1,2-Dichloroethene	<6.1		6.1	0.84	ug/Kg	☼		04/02/14 17:44	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		04/02/14 17:44	1
1,1,1-Trichloroethane	<6.1		6.1	0.91	ug/Kg	☼		04/02/14 17:44	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		04/02/14 17:44	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		04/02/14 17:44	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		04/02/14 17:44	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		04/02/14 17:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*92*		*70 - 122*		*04/02/14 17:44*	*1*
Dibromofluoromethane	*110*		*75 - 120*		*04/02/14 17:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*		*04/02/14 17:44*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*04/02/14 17:44*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1

Client Sample ID: EL-7(0-5)-040114
Date Collected: 04/01/14 12:05
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-14
Matrix: Solid
Percent Solids: 82.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	91	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
2-Methylnaphthalene	**13**	**J**	40	7.3	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
2-Methylphenol	<200		200	64	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
2-Nitrophenol	<400		400	94	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Acenaphthene	**9.0**	**J**	40	7.2	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Acenaphthylene	**11**	**J**	40	5.2	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Anthracene	**31**	**J**	40	6.7	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Benzo[a]anthracene	**130**		40	5.4	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Benzo[a]pyrene	**100**		40	7.7	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Benzo[b]fluoranthene	**140**		40	8.6	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Benzo[g,h,i]perylene	**94**		40	13	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Benzo[k]fluoranthene	**67**		40	12	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Bis(2-ethylhexyl) phthalate	**88**	**J**	200	73	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Carbazole	<200		200	100	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Chrysene	**140**		40	11	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Dibenz(a,h)anthracene	**23**	**J**	40	7.7	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Dibenzofuran	<200		200	47	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Fluoranthene	**230**		40	7.4	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Fluorene	**15**	**J**	40	5.6	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Hexachloroethane	<200		200	61	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: EL-7(0-5)-040114
Date Collected: 04/01/14 12:05
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-14
Matrix: Solid
Percent Solids: 82.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	71		40	10	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Isophorone	<200		200	45	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Naphthalene	11	J	40	6.1	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Nitrobenzene	<40		40	9.9	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Phenanthrene	150		40	5.5	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Phenol	<200		200	88	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1
Pyrene	290		40	7.9	ug/Kg	☼	04/03/14 07:22	04/04/14 16:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*67*		*35 - 137*	*04/03/14 07:22*	*04/04/14 16:45*	*1*
2-Fluorobiphenyl	*67*		*25 - 119*	*04/03/14 07:22*	*04/04/14 16:45*	*1*
2-Fluorophenol	*51*		*25 - 110*	*04/03/14 07:22*	*04/04/14 16:45*	*1*
Nitrobenzene-d5	*48*		*25 - 115*	*04/03/14 07:22*	*04/04/14 16:45*	*1*
Phenol-d5	*58*		*31 - 110*	*04/03/14 07:22*	*04/04/14 16:45*	*1*
Terphenyl-d14	*93*		*36 - 134*	*04/03/14 07:22*	*04/04/14 16:45*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 18:49	1
Barium	0.30	J	0.50	0.050	mg/L		04/04/14 10:15	04/04/14 18:49	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/14 10:15	04/04/14 18:49	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/14 10:15	04/04/14 18:49	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:49	1
Cobalt	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:49	1
Copper	0.055		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:49	1
Iron	<0.20		0.20	0.20	mg/L		04/04/14 10:15	04/04/14 18:49	1
Lead	0.010		0.0075	0.0075	mg/L		04/04/14 10:15	04/04/14 18:49	1
Manganese	1.1		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:49	1
Nickel	0.013	J	0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:49	1
Selenium	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 18:49	1
Silver	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:49	1
Zinc	0.22		0.10	0.020	mg/L		04/04/14 10:15	04/04/14 18:49	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/08/14 00:37	1
Barium	0.17	J	0.50	0.050	mg/L		04/07/14 09:00	04/08/14 00:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:00	04/08/14 00:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:00	04/08/14 00:37	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:37	1
Cobalt	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:37	1
Copper	0.010	J	0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:37	1
Iron	0.22		0.20	0.20	mg/L		04/07/14 09:00	04/08/14 00:37	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/07/14 09:00	04/08/14 00:37	1
Manganese	0.024	J	0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:37	1
Nickel	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:37	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/08/14 00:37	1

Client Sample ID: EL-7(0-5)-040114
Date Collected: 04/01/14 12:05
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-14
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025	^	0.025	0.010	mg/L		04/07/14 09:00	04/08/14 00:37	1
Zinc	**0.15**		0.10	0.020	mg/L		04/07/14 09:00	04/08/14 00:37	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.47	mg/Kg	☼	04/02/14 15:30	04/04/14 02:35	1
Arsenic	**7.4**		0.58	0.12	mg/Kg	☼	04/02/14 15:30	04/04/14 02:35	1
Barium	**44**		0.58	0.062	mg/Kg	☼	04/02/14 15:30	04/04/14 02:35	1
Beryllium	**0.40**		0.23	0.046	mg/Kg	☼	04/02/14 15:30	04/04/14 02:35	1
Cadmium	**0.65**		0.12	0.015	mg/Kg	☼	04/02/14 15:30	04/04/14 02:35	1
Calcium	**100000**	**B**	120	31	mg/Kg	☼	04/02/14 15:30	04/05/14 02:39	10
Chromium	**13**		0.58	0.067	mg/Kg	☼	04/02/14 15:30	04/04/14 02:35	1
Cobalt	**7.1**		0.29	0.058	mg/Kg	☼	04/02/14 15:30	04/04/14 02:35	1
Copper	**24**		0.58	0.12	mg/Kg	☼	04/02/14 15:30	04/04/14 02:35	1
Iron	**17000**		12	4.8	mg/Kg	☼	04/02/14 15:30	04/04/14 02:35	1
Lead	**15**	**B**	0.29	0.087	mg/Kg	☼	04/02/14 15:30	04/04/14 02:35	1
Magnesium	**43000**	**B**	5.8	1.2	mg/Kg	☼	04/02/14 15:30	04/04/14 02:35	1
Manganese	**320**		0.58	0.12	mg/Kg	☼	04/02/14 15:30	04/04/14 02:35	1
Nickel	**17**	**^**	0.58	0.12	mg/Kg	☼	04/02/14 15:30	04/04/14 02:35	1
Potassium	**2500**		29	1.7	mg/Kg	☼	04/02/14 15:30	04/04/14 02:35	1
Selenium	<0.58		0.58	0.21	mg/Kg	☼	04/02/14 15:30	04/04/14 02:35	1
Silver	**0.033**	**J**	0.29	0.021	mg/Kg	☼	04/02/14 15:30	04/04/14 02:35	1
Sodium	**990**		58	7.8	mg/Kg	☼	04/02/14 15:30	04/04/14 02:35	1
Thallium	<0.58		0.58	0.25	mg/Kg	☼	04/02/14 15:30	04/04/14 02:35	1
Vanadium	**17**		0.29	0.043	mg/Kg	☼	04/02/14 15:30	04/04/14 02:35	1
Zinc	**44**		1.2	0.23	mg/Kg	☼	04/02/14 15:30	04/04/14 02:35	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.042**	**J B**	0.20	0.020	ug/L		04/04/14 15:00	04/07/14 14:08	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 10:48	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**48**		19	7.3	ug/Kg	☼	04/02/14 14:30	04/03/14 09:50	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.73**		0.200	0.200	SU			04/06/14 13:41	1

Client Sample ID: EL-7(0-5)-040114D
Date Collected: 04/01/14 12:05
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-15
Matrix: Solid
Percent Solids: 85.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.5	ug/Kg	☼		04/02/14 18:08	1
Benzene	<5.9		5.9	0.80	ug/Kg	☼		04/02/14 18:08	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/02/14 18:08	1
Bromoform	<5.9		5.9	1.3	ug/Kg	☼		04/02/14 18:08	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		04/02/14 18:08	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	☼		04/02/14 18:08	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		04/02/14 18:08	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		04/02/14 18:08	1
Chloroethane	<5.9	*	5.9	1.6	ug/Kg	☼		04/02/14 18:08	1
Chloroform	<5.9		5.9	0.67	ug/Kg	☼		04/02/14 18:08	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 18:08	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	☼		04/02/14 18:08	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	☼		04/02/14 18:08	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/02/14 18:08	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		04/02/14 18:08	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		04/02/14 18:08	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		04/02/14 18:08	1
1,2-Dichloropropane	<5.9		5.9	0.89	ug/Kg	☼		04/02/14 18:08	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	☼		04/02/14 18:08	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 18:08	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		04/02/14 18:08	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		04/02/14 18:08	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		04/02/14 18:08	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		04/02/14 18:08	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	☼		04/02/14 18:08	1
Styrene	<5.9		5.9	0.77	ug/Kg	☼		04/02/14 18:08	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 18:08	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	☼		04/02/14 18:08	1
Toluene	<5.9		5.9	0.82	ug/Kg	☼		04/02/14 18:08	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		04/02/14 18:08	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		04/02/14 18:08	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/02/14 18:08	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	☼		04/02/14 18:08	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		04/02/14 18:08	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 18:08	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/02/14 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 122*		*04/02/14 18:08*	*1*
Dibromofluoromethane	*112*		*75 - 120*		*04/02/14 18:08*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*04/02/14 18:08*	*1*
Toluene-d8 (Surr)	*102*		*75 - 122*		*04/02/14 18:08*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: EL-7(0-5)-040114D
Date Collected: 04/01/14 12:05
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-15
Matrix: Solid
Percent Solids: 85.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	86	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
2,4-Dinitrophenol	<760		760	670	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
2-Methylnaphthalene	**11**	**J**	38	6.9	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
2-Methylphenol	<190		190	61	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
2-Nitrophenol	<380		380	89	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
4,6-Dinitro-2-methylphenol	<380		380	300	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Anthracene	**9.6**	**J**	38	6.3	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Benzo[a]anthracene	**1100**		38	5.1	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Benzo[a]pyrene	**42**		38	7.3	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Benzo[b]fluoranthene	**94**		38	8.2	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Benzo[g,h,i]perylene	**42**		38	12	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Benzo[k]fluoranthene	**32**	**J**	38	11	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Bis(2-ethylhexyl) phthalate	**110**	**J**	190	69	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Carbazole	<190		190	98	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Chrysene	**65**		38	10	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Dibenz(a,h)anthracene	<38		38	7.3	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Dibenzofuran	<190		190	44	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Fluoranthene	**64**		38	7.0	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Fluorene	<38		38	5.3	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Hexachlorobenzene	<76		76	8.8	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Hexachloroethane	<190		190	57	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: EL-7(0-5)-040114D
Date Collected: 04/01/14 12:05
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-15
Matrix: Solid
Percent Solids: 85.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	32	J	38	9.8	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Isophorone	<190		190	42	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Naphthalene	12	J	38	5.8	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Nitrobenzene	<38		38	9.4	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Phenanthrene	45		38	5.3	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Phenol	<190		190	84	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1
Pyrene	110		38	7.5	ug/Kg	☼	04/03/14 07:22	04/04/14 17:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*66*		*35 - 137*	*04/03/14 07:22*	*04/04/14 17:07*	*1*
2-Fluorobiphenyl	*61*		*25 - 119*	*04/03/14 07:22*	*04/04/14 17:07*	*1*
2-Fluorophenol	*37*		*25 - 110*	*04/03/14 07:22*	*04/04/14 17:07*	*1*
Nitrobenzene-d5	*41*		*25 - 115*	*04/03/14 07:22*	*04/04/14 17:07*	*1*
Phenol-d5	*47*		*31 - 110*	*04/03/14 07:22*	*04/04/14 17:07*	*1*
Terphenyl-d14	*94*		*36 - 134*	*04/03/14 07:22*	*04/04/14 17:07*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 18:55	1
Barium	0.13	J	0.50	0.050	mg/L		04/04/14 10:15	04/04/14 18:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/14 10:15	04/04/14 18:55	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		04/04/14 10:15	04/04/14 18:55	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:55	1
Cobalt	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:55	1
Copper	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:55	1
Iron	<0.20		0.20	0.20	mg/L		04/04/14 10:15	04/04/14 18:55	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/04/14 10:15	04/04/14 18:55	1
Manganese	1.4		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:55	1
Nickel	0.013	J	0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:55	1
Selenium	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 18:55	1
Silver	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 18:55	1
Zinc	0.070	J	0.10	0.020	mg/L		04/04/14 10:15	04/04/14 18:55	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/08/14 13:25	1
Barium	0.18	J	0.50	0.050	mg/L		04/07/14 09:00	04/08/14 00:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:00	04/08/14 13:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:00	04/08/14 00:58	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 13:25	1
Cobalt	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 13:25	1
Copper	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 13:25	1
Iron	0.23		0.20	0.20	mg/L		04/07/14 09:00	04/08/14 13:25	1
Lead	<0.0075	^	0.0075	0.0075	mg/L		04/07/14 09:00	04/08/14 13:25	1
Manganese	0.044		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 13:25	1
Nickel	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 13:25	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/08/14 00:58	1

Client Sample ID: EL-7(0-5)-040114D
Date Collected: 04/01/14 12:05
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-15
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 13:25	1
Zinc	**0.13**		0.10	0.020	mg/L		04/07/14 09:00	04/08/14 13:25	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.51**	**J**	1.1	0.45	mg/Kg	☼	04/02/14 15:30	04/04/14 02:42	1
Arsenic	**9.7**		0.56	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 02:42	1
Barium	**70**		0.56	0.060	mg/Kg	☼	04/02/14 15:30	04/04/14 02:42	1
Beryllium	**0.43**		0.23	0.045	mg/Kg	☼	04/02/14 15:30	04/04/14 02:42	1
Cadmium	**0.75**		0.11	0.014	mg/Kg	☼	04/02/14 15:30	04/04/14 02:42	1
Calcium	**85000**	**B**	110	31	mg/Kg	☼	04/02/14 15:30	04/05/14 02:46	10
Chromium	**16**		0.56	0.065	mg/Kg	☼	04/02/14 15:30	04/04/14 02:42	1
Cobalt	**9.6**		0.28	0.056	mg/Kg	☼	04/02/14 15:30	04/04/14 02:42	1
Copper	**27**		0.56	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 02:42	1
Iron	**17000**		11	4.6	mg/Kg	☼	04/02/14 15:30	04/04/14 02:42	1
Lead	**25**	**B**	0.28	0.084	mg/Kg	☼	04/02/14 15:30	04/04/14 02:42	1
Magnesium	**38000**	**B**	5.6	1.2	mg/Kg	☼	04/02/14 15:30	04/04/14 02:42	1
Manganese	**410**		0.56	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 02:42	1
Nickel	**19**	**^**	0.56	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 02:42	1
Potassium	**2300**		28	1.7	mg/Kg	☼	04/02/14 15:30	04/04/14 02:42	1
Selenium	<0.56		0.56	0.20	mg/Kg	☼	04/02/14 15:30	04/04/14 02:42	1
Silver	**0.056**	**J**	0.28	0.020	mg/Kg	☼	04/02/14 15:30	04/04/14 02:42	1
Sodium	**770**		56	7.6	mg/Kg	☼	04/02/14 15:30	04/04/14 02:42	1
Thallium	**0.46**	**J**	0.56	0.24	mg/Kg	☼	04/02/14 15:30	04/04/14 02:42	1
Vanadium	**18**		0.28	0.042	mg/Kg	☼	04/02/14 15:30	04/04/14 02:42	1
Zinc	**73**		1.1	0.23	mg/Kg	☼	04/02/14 15:30	04/04/14 02:42	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.042**	**J B**	0.20	0.020	ug/L		04/04/14 15:00	04/07/14 14:10	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 10:50	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**25**		19	7.6	ug/Kg	☼	04/02/14 14:30	04/03/14 09:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.67**		0.200	0.200	SU			04/06/14 13:43	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15 *

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

* Expired certification is currently pending renewal and is considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTA.

2417 Bond Street, University Park, IL 6(
Phone: 708.534.5200 Fax: 708.53

500-74263 COC

Chain of Custody Record

Lab Job #: 500-74263

Chain of Custody Number:

Page 1 of 3

Temperature °C of Cooler: (3.4) (3.7)

(optional)

Report To
Contact: S. Balasubramanian
Company: Weston Solutions Inc.
Address: 750 E Bunker Ct. Ste. 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax: 847-918-4055
E-Mail:

(optional)

Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Client: Weston Solutions Inc.
Client Project #:
Project Name: IDOT 050-IL 171 from 47th Street to 55th St
Project Location/State: McCook/Summit IL
Lab Project #:
Sampler: M. Doheny-Slabic
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	TOTAL METALS	TCLP/SPLP METALS	pH	TOTAL ALUMINUM				Comments
1		ID-3(0-5)-040114	4-1-14	0850	2	S		X	X	X	X	X					
2		ID-3(0-5)-040114D		0850	2	S		X	X	X	X	X					
3		ID-3(5-9)-040114		0900	2	S		X	X	X	X	X					
4		ID-5(0-5)-040114		0920	2	S		X	X	X	X	X					
		ID-5(5-9)-040114			2	S		X	X	X	X	X					MDS
5		IP-1(0-2)-040114		0935	2	S		X	X	X	X	X	X				
6		IP-2(0-4)-040114		0945	2	S		X	X	X	X	X	X				
7		IP-5(0-2)-040114		1000	2	S		X	X	X	X	X	X				
8		ID-3(0-4)-040114		1020	2	S		X	X	X	X	X	X				
9		IP-3(0-4)-040114D	4-1-14	1020	2	S		X	X	X	X	X	X				

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston	4-1-14	1546	[signature]	TA	4/1/14	1545
[signature]	TA	4/1/14	1640	[signature]	TA	4/2/14	0700

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)
Report To
Contact: S. Babusukumar
Company: Weston Solutions Inc.
Address: 750 E Bunker Ct. Ste-500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax: 847-918-4035
E-Mail:

(optional)
Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74263
Chain of Custody Number:
Page 2 of 3
Temperature °C of Cooler:

Client: Weston Solutions Inc.
Client Project #:
Project Name: IDOT 050 - IL 171
Project Location/State: McCook/Summit, IL
Lab Project #:
Sampler: M. Doheny-Skiba
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Parameter: VOCs	SVOCs	TOTAL METALS	TCLP/SPLP METALS	pH	TOTAL Aluminum				Comments
10		IP-4(0-2)-040114	4-1-14	1030	2	S	X	X	X	X	X	X				
11		IP-8(0-2)-040114	4-1-14	1045	2	S	X	X	X	X	X	X				
12		IP-10(0-2)-040114		1105	2	S	X	X	X	X	X	X				
13		EL-1(0-2)-040114		1145	2	S	X	X	X	X	X					
14		EL-7(0-5)-040114		1205	2	S	X	X	X	X	X					
15		EL-7(0-5)-040114D		1205	2	S	X	X	X	X	X					
16		IC-5(0-4)-040114		1205	2	S	X	X	X	X	X					
17		IC5(4-8)-040114		1310	2	S	X	X	X	X	X					
18		IT1-3(0-6)-040114		1330	2	S	X	X	X	X	X					
19		IT1-1(0-3.2)-040114	4-1-14	1345	2	S	X	X	X	X	X					

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston	4-1-14	1546	[signature]	TA	4/1/14	1546
[signature]	TA	4/1/14	1648	[signature]	TA	4/2/14	0700

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TAL-4124-509 (0209)

4/11/2014

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-74264-1
Client Project/Site: IDOT - Lyons, McCook, Summit - 050
Revision: 1

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar

Authorized for release by:
4/22/2014 9:03:29 AM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: EL-6(0-2)-040114
Date Collected: 04/01/14 08:55
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-5
Matrix: Solid
Percent Solids: 83.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		04/03/14 16:10	1
Benzene	<6.0		6.0	0.83	ug/Kg	☼		04/03/14 16:10	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/03/14 16:10	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		04/03/14 16:10	1
Bromomethane	<6.0	*	6.0	1.8	ug/Kg	☼		04/03/14 16:10	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		04/03/14 16:10	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		04/03/14 16:10	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		04/03/14 16:10	1
Chloroethane	<6.0	*	6.0	1.6	ug/Kg	☼		04/03/14 16:10	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		04/03/14 16:10	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		04/03/14 16:10	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		04/03/14 16:10	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		04/03/14 16:10	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/03/14 16:10	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		04/03/14 16:10	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/03/14 16:10	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		04/03/14 16:10	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		04/03/14 16:10	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		04/03/14 16:10	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		04/03/14 16:10	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		04/03/14 16:10	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		04/03/14 16:10	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		04/03/14 16:10	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		04/03/14 16:10	1
Methyl tert-butyl ether	<6.0		6.0	1.0	ug/Kg	☼		04/03/14 16:10	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		04/03/14 16:10	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/03/14 16:10	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		04/03/14 16:10	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		04/03/14 16:10	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	☼		04/03/14 16:10	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		04/03/14 16:10	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		04/03/14 16:10	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		04/03/14 16:10	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		04/03/14 16:10	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		04/03/14 16:10	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		04/03/14 16:10	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 122*		*04/03/14 16:10*	*1*
Dibromofluoromethane	*109*		*75 - 120*		*04/03/14 16:10*	*1*
1,2-Dichloroethane-d4 (Surr)	*110*		*70 - 134*		*04/03/14 16:10*	*1*
Toluene-d8 (Surr)	*102*		*75 - 122*		*04/03/14 16:10*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: EL-6(0-2)-040114
Date Collected: 04/01/14 08:55
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-5
Matrix: Solid
Percent Solids: 83.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
2-Methylnaphthalene	<39		39	7.3	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
2-Methylphenol	<200		200	63	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Anthracene	<39		39	6.6	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Benzo[a]anthracene	**19**	**J**	39	5.3	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Benzo[a]pyrene	**41**		39	7.6	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Benzo[b]fluoranthene	**41**		39	8.5	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Benzo[g,h,i]perylene	**34**	**J**	39	13	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Benzo[k]fluoranthene	**24**	**J**	39	12	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Carbazole	<200		200	100	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Chrysene	**28**	**J**	39	11	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Dibenzofuran	<200		200	46	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Fluoranthene	**30**	**J**	39	7.3	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Fluorene	<39		39	5.6	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Hexachloroethane	<200		200	60	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: EL-6(0-2)-040114
Date Collected: 04/01/14 08:55
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-5
Matrix: Solid
Percent Solids: 83.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	29	J	39	10	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Isophorone	<200		200	44	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Naphthalene	<39		39	6.1	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Pentachlorophenol	<800		800	630	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Phenanthrene	19	J	39	5.5	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Phenol	<200		200	88	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1
Pyrene	34	J	39	7.9	ug/Kg	☼	04/04/14 07:10	04/07/14 17:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*84*		*35 - 137*	*04/04/14 07:10*	*04/07/14 17:14*	*1*
2-Fluorobiphenyl	*61*		*25 - 119*	*04/04/14 07:10*	*04/07/14 17:14*	*1*
2-Fluorophenol	*69*		*25 - 110*	*04/04/14 07:10*	*04/07/14 17:14*	*1*
Nitrobenzene-d5	*57*		*25 - 115*	*04/04/14 07:10*	*04/07/14 17:14*	*1*
Phenol-d5	*60*		*31 - 110*	*04/04/14 07:10*	*04/07/14 17:14*	*1*
Terphenyl-d14	*117*		*36 - 134*	*04/04/14 07:10*	*04/07/14 17:14*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/07/14 17:56	1
Barium	0.65		0.50	0.050	mg/L		04/07/14 07:30	04/07/14 17:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 07:30	04/07/14 17:56	1
Cadmium	0.0041	J	0.0050	0.0020	mg/L		04/07/14 07:30	04/07/14 17:56	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 17:56	1
Cobalt	0.016	J	0.025	0.010	mg/L		04/07/14 07:30	04/07/14 17:56	1
Copper	0.012	J	0.025	0.010	mg/L		04/07/14 07:30	04/07/14 17:56	1
Iron	<0.20		0.20	0.20	mg/L		04/07/14 07:30	04/07/14 17:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/07/14 07:30	04/07/14 17:56	1
Manganese	2.9		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 17:56	1
Nickel	0.017	J	0.025	0.010	mg/L		04/07/14 07:30	04/07/14 17:56	1
Selenium	0.015	J B	0.050	0.010	mg/L		04/07/14 07:30	04/07/14 17:56	1
Silver	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 17:56	1
Zinc	0.18		0.10	0.020	mg/L		04/07/14 07:30	04/07/14 17:56	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.077		0.050	0.010	mg/L		04/07/14 09:15	04/09/14 00:24	1
Barium	0.95		0.50	0.050	mg/L		04/07/14 09:15	04/09/14 00:24	1
Beryllium	0.0068		0.0040	0.0040	mg/L		04/07/14 09:15	04/09/14 00:24	1
Cadmium	0.0068		0.0050	0.0020	mg/L		04/07/14 09:15	04/09/14 00:24	1
Chromium	0.23		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 00:24	1
Cobalt	0.081		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 00:24	1
Copper	0.55		0.10	0.010	mg/L		04/07/14 09:15	04/09/14 00:24	1
Iron	190		0.20	0.20	mg/L		04/07/14 09:15	04/09/14 00:24	1
Lead	0.11		0.0075	0.0075	mg/L		04/10/14 09:45	04/11/14 04:29	1
Manganese	1.6		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 00:24	1
Nickel	0.21		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 00:24	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:15	04/09/14 00:24	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: EL-6(0-2)-040114
Date Collected: 04/01/14 08:55
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-5
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 00:24	1
Zinc	**1.3**	**B**	0.10	0.020	mg/L		04/07/14 09:15	04/09/14 00:24	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.48	mg/Kg	☼	04/02/14 15:30	04/03/14 21:30	1
Arsenic	**5.7**		0.60	0.12	mg/Kg	☼	04/02/14 15:30	04/03/14 21:30	1
Barium	**58**		0.60	0.064	mg/Kg	☼	04/02/14 15:30	04/03/14 21:30	1
Beryllium	**0.59**		0.24	0.048	mg/Kg	☼	04/02/14 15:30	04/03/14 21:30	1
Cadmium	**0.84**	**B**	0.12	0.015	mg/Kg	☼	04/02/14 15:30	04/03/14 21:30	1
Calcium	**55000**	**B**	12	3.2	mg/Kg	☼	04/02/14 15:30	04/03/14 21:30	1
Chromium	**19**		0.60	0.069	mg/Kg	☼	04/02/14 15:30	04/03/14 21:30	1
Cobalt	**10**		0.30	0.060	mg/Kg	☼	04/02/14 15:30	04/03/14 21:30	1
Copper	**25**		0.60	0.12	mg/Kg	☼	04/02/14 15:30	04/03/14 21:30	1
Iron	**18000**		12	4.9	mg/Kg	☼	04/02/14 15:30	04/03/14 21:30	1
Lead	**18**	**B**	0.30	0.089	mg/Kg	☼	04/02/14 15:30	04/03/14 21:30	1
Magnesium	**27000**	**B**	6.0	1.2	mg/Kg	☼	04/02/14 15:30	04/03/14 21:30	1
Manganese	**390**		0.60	0.12	mg/Kg	☼	04/02/14 15:30	04/03/14 21:30	1
Nickel	**25**	**^**	0.60	0.12	mg/Kg	☼	04/02/14 15:30	04/03/14 21:30	1
Potassium	**3900**		30	1.8	mg/Kg	☼	04/02/14 15:30	04/03/14 21:30	1
Selenium	<0.60		0.60	0.21	mg/Kg	☼	04/02/14 15:30	04/03/14 21:30	1
Silver	**0.063**	**J**	0.30	0.022	mg/Kg	☼	04/02/14 15:30	04/03/14 21:30	1
Sodium	**2800**		60	8.0	mg/Kg	☼	04/02/14 15:30	04/03/14 21:30	1
Thallium	<0.60		0.60	0.25	mg/Kg	☼	04/02/14 15:30	04/03/14 21:30	1
Vanadium	**22**		0.30	0.044	mg/Kg	☼	04/02/14 15:30	04/03/14 21:30	1
Zinc	**49**		1.2	0.24	mg/Kg	☼	04/02/14 15:30	04/03/14 21:30	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 11:28	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.89**		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 12:21	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**25**		18	7.2	ug/Kg	☼	04/03/14 12:22	04/04/14 10:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.30**		0.200	0.200	SU			04/06/14 14:03	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: EL-5(0-2)-040114
Date Collected: 04/01/14 09:10
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-6
Matrix: Solid
Percent Solids: 84.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10		5.9	2.5	ug/Kg	☼		04/03/14 16:34	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		04/03/14 16:34	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/03/14 16:34	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		04/03/14 16:34	1
Bromomethane	<5.9	*	5.9	1.8	ug/Kg	☼		04/03/14 16:34	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	☼		04/03/14 16:34	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		04/03/14 16:34	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		04/03/14 16:34	1
Chloroethane	<5.9	*	5.9	1.6	ug/Kg	☼		04/03/14 16:34	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		04/03/14 16:34	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		04/03/14 16:34	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	☼		04/03/14 16:34	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	☼		04/03/14 16:34	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/03/14 16:34	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		04/03/14 16:34	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		04/03/14 16:34	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		04/03/14 16:34	1
1,2-Dichloropropane	<5.9		5.9	0.90	ug/Kg	☼		04/03/14 16:34	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	☼		04/03/14 16:34	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		04/03/14 16:34	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		04/03/14 16:34	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		04/03/14 16:34	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		04/03/14 16:34	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		04/03/14 16:34	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	☼		04/03/14 16:34	1
Styrene	<5.9		5.9	0.77	ug/Kg	☼		04/03/14 16:34	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		04/03/14 16:34	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	☼		04/03/14 16:34	1
Toluene	<5.9		5.9	0.83	ug/Kg	☼		04/03/14 16:34	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		04/03/14 16:34	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		04/03/14 16:34	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/03/14 16:34	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	☼		04/03/14 16:34	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		04/03/14 16:34	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		04/03/14 16:34	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/03/14 16:34	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 122*		*04/03/14 16:34*	*1*
Dibromofluoromethane	*110*		*75 - 120*		*04/03/14 16:34*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 134*		*04/03/14 16:34*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*04/03/14 16:34*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: EL-5(0-2)-040114
Date Collected: 04/01/14 09:10
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-6
Matrix: Solid
Percent Solids: 84.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
2-Methylphenol	<190		190	61	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Anthracene	<38		38	6.4	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Benzo[a]anthracene	<38		38	5.1	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Carbazole	<190		190	99	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Chrysene	<38		38	10	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Dibenzofuran	<190		190	45	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Fluorene	<38		38	5.4	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Hexachloroethane	<190		190	58	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: EL-5(0-2)-040114
Date Collected: 04/01/14 09:10
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-6
Matrix: Solid
Percent Solids: 84.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	9.9	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Isophorone	<190		190	43	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Naphthalene	<38		38	5.9	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Phenanthrene	<38		38	5.3	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Phenol	<190		190	85	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1
Pyrene	**8.9**	**J**	38	7.6	ug/Kg	☼	04/04/14 07:10	04/07/14 17:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*45*		*35 - 137*	*04/04/14 07:10*	*04/07/14 17:32*	*1*
2-Fluorobiphenyl	*37*		*25 - 119*	*04/04/14 07:10*	*04/07/14 17:32*	*1*
2-Fluorophenol	*36*		*25 - 110*	*04/04/14 07:10*	*04/07/14 17:32*	*1*
Nitrobenzene-d5	*32*		*25 - 115*	*04/04/14 07:10*	*04/07/14 17:32*	*1*
Phenol-d5	*35*		*31 - 110*	*04/04/14 07:10*	*04/07/14 17:32*	*1*
Terphenyl-d14	*91*		*36 - 134*	*04/04/14 07:10*	*04/07/14 17:32*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/07/14 18:01	1
Barium	**0.67**		0.50	0.050	mg/L		04/07/14 07:30	04/07/14 18:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 07:30	04/07/14 18:01	1
Cadmium	**0.0021**	**J**	0.0050	0.0020	mg/L		04/07/14 07:30	04/07/14 18:01	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:01	1
Cobalt	**0.049**		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:01	1
Copper	**0.010**	**J**	0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:01	1
Iron	**0.36**		0.20	0.20	mg/L		04/07/14 07:30	04/07/14 18:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/07/14 07:30	04/07/14 18:01	1
Manganese	**4.9**		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:01	1
Nickel	**0.050**		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:01	1
Selenium	**0.016**	**J B**	0.050	0.010	mg/L		04/07/14 07:30	04/07/14 18:01	1
Silver	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:01	1
Zinc	**0.12**		0.10	0.020	mg/L		04/07/14 07:30	04/07/14 18:01	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.042**	**J**	0.050	0.010	mg/L		04/07/14 09:15	04/09/14 00:30	1
Barium	**0.66**		0.50	0.050	mg/L		04/07/14 09:15	04/09/14 00:30	1
Beryllium	**0.0047**		0.0040	0.0040	mg/L		04/07/14 09:15	04/09/14 00:30	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:15	04/09/14 00:30	1
Chromium	**0.12**		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 00:30	1
Cobalt	**0.049**		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 00:30	1
Copper	**0.24**		0.10	0.010	mg/L		04/07/14 09:15	04/09/14 00:30	1
Iron	**100**		0.20	0.20	mg/L		04/07/14 09:15	04/09/14 00:30	1
Lead	**0.084**		0.0075	0.0075	mg/L		04/10/14 09:45	04/11/14 04:35	1
Manganese	**1.2**		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 00:30	1
Nickel	**0.14**		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 00:30	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:15	04/09/14 00:30	1

Client Sample ID: EL-5(0-2)-040114
Date Collected: 04/01/14 09:10
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-6
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 00:30	1
Zinc	**0.36**	**B**	0.10	0.020	mg/L		04/07/14 09:15	04/09/14 00:30	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.46**	**J**	1.1	0.45	mg/Kg	☼	04/02/14 15:30	04/03/14 21:37	1
Arsenic	**13**		0.56	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 21:37	1
Barium	**55**		0.56	0.060	mg/Kg	☼	04/02/14 15:30	04/03/14 21:37	1
Beryllium	**0.63**		0.22	0.045	mg/Kg	☼	04/02/14 15:30	04/03/14 21:37	1
Cadmium	**1.3**	**B**	0.11	0.014	mg/Kg	☼	04/02/14 15:30	04/03/14 21:37	1
Calcium	**55000**	**B**	11	3.0	mg/Kg	☼	04/02/14 15:30	04/03/14 21:37	1
Chromium	**19**		0.56	0.065	mg/Kg	☼	04/02/14 15:30	04/03/14 21:37	1
Cobalt	**10**		0.28	0.056	mg/Kg	☼	04/02/14 15:30	04/03/14 21:37	1
Copper	**27**		0.56	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 21:37	1
Iron	**27000**		11	4.6	mg/Kg	☼	04/02/14 15:30	04/03/14 21:37	1
Lead	**12**	**B**	0.28	0.083	mg/Kg	☼	04/02/14 15:30	04/03/14 21:37	1
Magnesium	**27000**	**B**	5.6	1.2	mg/Kg	☼	04/02/14 15:30	04/03/14 21:37	1
Manganese	**420**		0.56	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 21:37	1
Nickel	**27**	**^**	0.56	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 21:37	1
Potassium	**3800**		28	1.7	mg/Kg	☼	04/02/14 15:30	04/03/14 21:37	1
Selenium	<0.56		0.56	0.20	mg/Kg	☼	04/02/14 15:30	04/03/14 21:37	1
Silver	**0.053**	**J**	0.28	0.020	mg/Kg	☼	04/02/14 15:30	04/03/14 21:37	1
Sodium	**2500**		56	7.5	mg/Kg	☼	04/02/14 15:30	04/03/14 21:37	1
Thallium	**0.42**	**J**	0.56	0.24	mg/Kg	☼	04/02/14 15:30	04/03/14 21:37	1
Vanadium	**24**		0.28	0.041	mg/Kg	☼	04/02/14 15:30	04/03/14 21:37	1
Zinc	**43**		1.1	0.23	mg/Kg	☼	04/02/14 15:30	04/03/14 21:37	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 11:30	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.16**	**J**	0.20	0.020	ug/L		04/07/14 16:10	04/08/14 12:23	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**21**		18	6.9	ug/Kg	☼	04/03/14 12:22	04/04/14 10:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.42**		0.200	0.200	SU			04/06/14 14:05	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: EL-4(0-2)-040114
Date Collected: 04/01/14 09:15
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-7
Matrix: Solid
Percent Solids: 85.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**47**		5.9	2.5	ug/Kg	☼		04/03/14 16:58	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		04/03/14 16:58	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/03/14 16:58	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		04/03/14 16:58	1
Bromomethane	<5.9	*	5.9	1.8	ug/Kg	☼		04/03/14 16:58	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	☼		04/03/14 16:58	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		04/03/14 16:58	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		04/03/14 16:58	1
Chloroethane	<5.9	*	5.9	1.6	ug/Kg	☼		04/03/14 16:58	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		04/03/14 16:58	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		04/03/14 16:58	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	☼		04/03/14 16:58	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	☼		04/03/14 16:58	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/03/14 16:58	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		04/03/14 16:58	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		04/03/14 16:58	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		04/03/14 16:58	1
1,2-Dichloropropane	<5.9		5.9	0.89	ug/Kg	☼		04/03/14 16:58	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	☼		04/03/14 16:58	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		04/03/14 16:58	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		04/03/14 16:58	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		04/03/14 16:58	1
Methyl Ethyl Ketone	**12**		5.9	2.1	ug/Kg	☼		04/03/14 16:58	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		04/03/14 16:58	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	☼		04/03/14 16:58	1
Styrene	<5.9		5.9	0.77	ug/Kg	☼		04/03/14 16:58	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		04/03/14 16:58	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	☼		04/03/14 16:58	1
Toluene	<5.9		5.9	0.82	ug/Kg	☼		04/03/14 16:58	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		04/03/14 16:58	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		04/03/14 16:58	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/03/14 16:58	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	☼		04/03/14 16:58	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		04/03/14 16:58	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		04/03/14 16:58	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/03/14 16:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 122*		*04/03/14 16:58*	*1*
Dibromofluoromethane	*108*		*75 - 120*		*04/03/14 16:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 134*		*04/03/14 16:58*	*1*
Toluene-d8 (Surr)	*102*		*75 - 122*		*04/03/14 16:58*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1

Client Sample ID: EL-4(0-2)-040114
Date Collected: 04/01/14 09:15
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-7
Matrix: Solid
Percent Solids: 85.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
2,4-Dinitrophenol	<770		770	680	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
2-Methylnaphthalene	**11**	**J**	38	7.1	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
2-Methylphenol	<190		190	62	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
4-Nitrophenol	<770		770	370	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Acenaphthene	**16**	**J**	38	6.9	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Acenaphthylene	**38**		38	5.1	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Anthracene	**110**		38	6.4	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Benzo[a]anthracene	**370**		38	5.2	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Benzo[a]pyrene	**280**		38	7.4	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Benzo[b]fluoranthene	**410**		38	8.3	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Benzo[g,h,i]perylene	**200**		38	12	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Benzo[k]fluoranthene	**170**		38	11	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Carbazole	<190		190	99	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Chrysene	**390**		38	10	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Dibenz(a,h)anthracene	**14**	**J**	38	7.4	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Dibenzofuran	<190		190	45	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Fluoranthene	**640**		38	7.1	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Fluorene	**27**	**J**	38	5.4	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Hexachloroethane	<190		190	58	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: EL-4(0-2)-040114
Date Collected: 04/01/14 09:15
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-7
Matrix: Solid
Percent Solids: 85.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	160		38	10	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Isophorone	<190		190	43	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Naphthalene	12	J	38	5.9	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Pentachlorophenol	<770		770	620	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Phenanthrene	280		38	5.4	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Phenol	<190		190	85	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1
Pyrene	620		38	7.6	ug/Kg	☼	04/04/14 07:10	04/08/14 11:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*65*		*35 - 137*	*04/04/14 07:10*	*04/08/14 11:21*	*1*
2-Fluorobiphenyl	*61*		*25 - 119*	*04/04/14 07:10*	*04/08/14 11:21*	*1*
2-Fluorophenol	*60*		*25 - 110*	*04/04/14 07:10*	*04/08/14 11:21*	*1*
Nitrobenzene-d5	*52*		*25 - 115*	*04/04/14 07:10*	*04/08/14 11:21*	*1*
Phenol-d5	*63*		*31 - 110*	*04/04/14 07:10*	*04/08/14 11:21*	*1*
Terphenyl-d14	*77*		*36 - 134*	*04/04/14 07:10*	*04/08/14 11:21*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/07/14 18:06	1
Barium	0.81		0.50	0.050	mg/L		04/07/14 07:30	04/07/14 18:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 07:30	04/07/14 18:06	1
Cadmium	0.0055		0.0050	0.0020	mg/L		04/07/14 07:30	04/07/14 18:06	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:06	1
Cobalt	0.067		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:06	1
Copper	0.017	J	0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:06	1
Iron	0.52		0.20	0.20	mg/L		04/07/14 07:30	04/07/14 18:06	1
Lead	0.072		0.0075	0.0075	mg/L		04/07/14 07:30	04/07/14 18:06	1
Manganese	5.3		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:06	1
Nickel	0.073		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:06	1
Selenium	0.014	J B	0.050	0.010	mg/L		04/07/14 07:30	04/07/14 18:06	1
Silver	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:06	1
Zinc	0.19		0.10	0.020	mg/L		04/07/14 07:30	04/07/14 18:06	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.029	J	0.050	0.010	mg/L		04/07/14 09:15	04/09/14 00:36	1
Barium	0.46	J	0.50	0.050	mg/L		04/07/14 09:15	04/09/14 00:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:15	04/09/14 00:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:15	04/09/14 00:36	1
Chromium	0.085		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 00:36	1
Cobalt	0.037		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 00:36	1
Copper	0.23		0.10	0.010	mg/L		04/07/14 09:15	04/09/14 00:36	1
Iron	76		0.20	0.20	mg/L		04/07/14 09:15	04/09/14 00:36	1
Lead	0.26		0.0075	0.0075	mg/L		04/10/14 09:45	04/11/14 04:41	1
Manganese	0.71		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 00:36	1
Nickel	0.11		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 00:36	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:15	04/09/14 00:36	1

Client Sample ID: EL-4(0-2)-040114
Date Collected: 04/01/14 09:15
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-7
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 00:36	1
Zinc	**0.35**	**B**	0.10	0.020	mg/L		04/07/14 09:15	04/09/14 00:36	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.56**	**J**	1.1	0.44	mg/Kg	☼	04/02/14 15:30	04/03/14 21:43	1
Arsenic	**8.8**		0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 21:43	1
Barium	**100**		0.55	0.059	mg/Kg	☼	04/02/14 15:30	04/03/14 21:43	1
Beryllium	**0.86**		0.22	0.044	mg/Kg	☼	04/02/14 15:30	04/03/14 21:43	1
Cadmium	**1.1**	**B**	0.11	0.014	mg/Kg	☼	04/02/14 15:30	04/03/14 21:43	1
Calcium	**23000**	**B**	11	3.0	mg/Kg	☼	04/02/14 15:30	04/03/14 21:43	1
Chromium	**25**		0.55	0.064	mg/Kg	☼	04/02/14 15:30	04/03/14 21:43	1
Cobalt	**16**		0.28	0.055	mg/Kg	☼	04/02/14 15:30	04/03/14 21:43	1
Copper	**36**		0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 21:43	1
Iron	**25000**		11	4.5	mg/Kg	☼	04/02/14 15:30	04/03/14 21:43	1
Lead	**17**	**B**	0.28	0.082	mg/Kg	☼	04/02/14 15:30	04/03/14 21:43	1
Magnesium	**16000**	**B**	5.5	1.1	mg/Kg	☼	04/02/14 15:30	04/03/14 21:43	1
Manganese	**290**		0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 21:43	1
Nickel	**39**	**^**	0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 21:43	1
Potassium	**4200**		28	1.7	mg/Kg	☼	04/02/14 15:30	04/03/14 21:43	1
Selenium	<0.55		0.55	0.20	mg/Kg	☼	04/02/14 15:30	04/03/14 21:43	1
Silver	**0.020**	**J**	0.28	0.020	mg/Kg	☼	04/02/14 15:30	04/03/14 21:43	1
Sodium	**2200**		55	7.4	mg/Kg	☼	04/02/14 15:30	04/03/14 21:43	1
Thallium	**0.71**		0.55	0.23	mg/Kg	☼	04/02/14 15:30	04/03/14 21:43	1
Vanadium	**31**		0.28	0.041	mg/Kg	☼	04/02/14 15:30	04/03/14 21:43	1
Zinc	**50**		1.1	0.22	mg/Kg	☼	04/02/14 15:30	04/03/14 21:43	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 11:32	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.092**	**J**	0.20	0.020	ug/L		04/07/14 16:10	04/08/14 12:25	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**55**		18	7.1	ug/Kg	☼	04/03/14 12:22	04/04/14 10:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.20**		0.200	0.200	SU			04/06/14 14:07	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: EL-2(0-2)-040114
Date Collected: 04/01/14 11:50
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-14
Matrix: Solid
Percent Solids: 86.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**27**		5.8	2.5	ug/Kg	☼		04/03/14 19:45	1
Benzene	<5.8		5.8	0.80	ug/Kg	☼		04/03/14 19:45	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/03/14 19:45	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		04/03/14 19:45	1
Bromomethane	<5.8	*	5.8	1.8	ug/Kg	☼		04/03/14 19:45	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		04/03/14 19:45	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		04/03/14 19:45	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		04/03/14 19:45	1
Chloroethane	<5.8	*	5.8	1.6	ug/Kg	☼		04/03/14 19:45	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		04/03/14 19:45	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		04/03/14 19:45	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		04/03/14 19:45	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		04/03/14 19:45	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/03/14 19:45	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		04/03/14 19:45	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		04/03/14 19:45	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		04/03/14 19:45	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		04/03/14 19:45	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		04/03/14 19:45	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		04/03/14 19:45	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		04/03/14 19:45	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		04/03/14 19:45	1
Methyl Ethyl Ketone	**4.7**	**J**	5.8	2.1	ug/Kg	☼		04/03/14 19:45	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		04/03/14 19:45	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		04/03/14 19:45	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		04/03/14 19:45	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		04/03/14 19:45	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		04/03/14 19:45	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		04/03/14 19:45	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		04/03/14 19:45	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		04/03/14 19:45	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		04/03/14 19:45	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		04/03/14 19:45	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		04/03/14 19:45	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		04/03/14 19:45	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/03/14 19:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 122*		*04/03/14 19:45*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*04/03/14 19:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*		*04/03/14 19:45*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*04/03/14 19:45*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: EL-2(0-2)-040114
Date Collected: 04/01/14 11:50
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-14
Matrix: Solid
Percent Solids: 86.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
2-Methylphenol	<190		190	60	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Acenaphthene	**38**		37	6.8	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Acenaphthylene	**19**	**J**	37	5.0	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Anthracene	**160**		37	6.3	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Benzo[a]anthracene	**240**		37	5.1	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Benzo[a]pyrene	**190**		37	7.3	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Benzo[b]fluoranthene	**200**		37	8.1	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Benzo[g,h,i]perylene	**92**		37	12	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Benzo[k]fluoranthene	**180**		37	11	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Carbazole	<190		190	97	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Chrysene	**260**		37	10	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Dibenz(a,h)anthracene	**52**		37	7.3	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Dibenzofuran	<190		190	44	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Fluoranthene	**560**		37	7.0	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Fluorene	**8.7**	**J**	37	5.3	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Hexachloroethane	<190		190	57	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: EL-2(0-2)-040114
Date Collected: 04/01/14 11:50
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-14
Matrix: Solid
Percent Solids: 86.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**77**		37	9.7	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Isophorone	<190		190	42	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Naphthalene	<37		37	5.8	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Phenanthrene	**110**		37	5.2	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Phenol	<190		190	83	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1
Pyrene	**690**		37	7.5	ug/Kg	☼	04/04/14 07:10	04/07/14 19:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*68*		*35 - 137*	*04/04/14 07:10*	*04/07/14 19:58*	*1*
2-Fluorobiphenyl	*62*		*25 - 119*	*04/04/14 07:10*	*04/07/14 19:58*	*1*
2-Fluorophenol	*61*		*25 - 110*	*04/04/14 07:10*	*04/07/14 19:58*	*1*
Nitrobenzene-d5	*63*		*25 - 115*	*04/04/14 07:10*	*04/07/14 19:58*	*1*
Phenol-d5	*60*		*31 - 110*	*04/04/14 07:10*	*04/07/14 19:58*	*1*
Terphenyl-d14	*149*	*X*	*36 - 134*	*04/04/14 07:10*	*04/07/14 19:58*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/07/14 18:42	1
Barium	**0.85**		0.50	0.050	mg/L		04/07/14 07:30	04/07/14 18:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 07:30	04/07/14 18:42	1
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		04/07/14 07:30	04/07/14 18:42	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:42	1
Cobalt	**0.015**	**J**	0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:42	1
Copper	**0.011**	**J**	0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:42	1
Iron	<0.20		0.20	0.20	mg/L		04/07/14 07:30	04/07/14 18:42	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/07/14 07:30	04/07/14 18:42	1
Manganese	**5.6**		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:42	1
Nickel	**0.012**	**J**	0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:42	1
Selenium	**0.015**	**J B**	0.050	0.010	mg/L		04/07/14 07:30	04/07/14 18:42	1
Silver	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:42	1
Zinc	**0.14**		0.10	0.020	mg/L		04/07/14 07:30	04/07/14 18:42	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 09:15	04/09/14 01:37	1
Barium	**0.29**	**J**	0.50	0.050	mg/L		04/07/14 09:15	04/09/14 01:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:15	04/09/14 01:37	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:15	04/09/14 01:37	1
Chromium	**0.014**	**J**	0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:37	1
Cobalt	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:37	1
Copper	**0.11**		0.10	0.010	mg/L		04/07/14 09:15	04/09/14 01:37	1
Iron	**12**		0.20	0.20	mg/L		04/07/14 09:15	04/09/14 01:37	1
Lead	**0.042**		0.0075	0.0075	mg/L		04/10/14 09:45	04/11/14 05:40	1
Manganese	**0.47**		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:37	1
Nickel	**0.019**	**J**	0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:37	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:15	04/09/14 01:37	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: EL-2(0-2)-040114
Date Collected: 04/01/14 11:50
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-14
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:37	1
Zinc	**0.16**	**B**	0.10	0.020	mg/L		04/07/14 09:15	04/09/14 01:37	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.46	mg/Kg	☼	04/02/14 15:30	04/03/14 22:41	1
Arsenic	**8.2**		0.57	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 22:41	1
Barium	**70**		0.57	0.061	mg/Kg	☼	04/02/14 15:30	04/03/14 22:41	1
Beryllium	**0.73**		0.23	0.046	mg/Kg	☼	04/02/14 15:30	04/03/14 22:41	1
Cadmium	**1.0**	**B**	0.11	0.015	mg/Kg	☼	04/02/14 15:30	04/03/14 22:41	1
Calcium	**33000**	**B**	11	3.1	mg/Kg	☼	04/02/14 15:30	04/03/14 22:41	1
Chromium	**21**		0.57	0.066	mg/Kg	☼	04/02/14 15:30	04/03/14 22:41	1
Cobalt	**11**		0.29	0.057	mg/Kg	☼	04/02/14 15:30	04/03/14 22:41	1
Copper	**29**		0.57	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 22:41	1
Iron	**23000**		11	4.7	mg/Kg	☼	04/02/14 15:30	04/03/14 22:41	1
Lead	**14**	**B**	0.29	0.085	mg/Kg	☼	04/02/14 15:30	04/03/14 22:41	1
Magnesium	**17000**	**B**	5.7	1.2	mg/Kg	☼	04/02/14 15:30	04/03/14 22:41	1
Manganese	**480**		0.57	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 22:41	1
Nickel	**30**	**^**	0.57	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 22:41	1
Potassium	**3100**		29	1.7	mg/Kg	☼	04/02/14 15:30	04/03/14 22:41	1
Selenium	<0.57		0.57	0.20	mg/Kg	☼	04/02/14 15:30	04/03/14 22:41	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	04/02/14 15:30	04/03/14 22:41	1
Sodium	**1400**		57	7.7	mg/Kg	☼	04/02/14 15:30	04/03/14 22:41	1
Thallium	**0.65**		0.57	0.24	mg/Kg	☼	04/02/14 15:30	04/03/14 22:41	1
Vanadium	**27**		0.29	0.042	mg/Kg	☼	04/02/14 15:30	04/03/14 22:41	1
Zinc	**46**		1.1	0.23	mg/Kg	☼	04/02/14 15:30	04/03/14 22:41	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 11:49	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.077**	**J**	0.20	0.020	ug/L		04/07/14 16:10	04/08/14 12:43	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**37**		18	7.0	ug/Kg	☼	04/03/14 12:22	04/04/14 10:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.04**		0.200	0.200	SU			04/06/14 14:24	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: EL-3(0-2)-040114
Date Collected: 04/01/14 12:05
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-15
Matrix: Solid
Percent Solids: 85.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	32		5.8	2.5	ug/Kg	☼		04/04/14 14:05	1
Benzene	<5.8		5.8	0.80	ug/Kg	☼		04/04/14 14:05	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/04/14 14:05	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		04/04/14 14:05	1
Bromomethane	<5.8		5.8	1.8	ug/Kg	☼		04/04/14 14:05	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		04/04/14 14:05	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		04/04/14 14:05	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		04/04/14 14:05	1
Chloroethane	<5.8	*	5.8	1.6	ug/Kg	☼		04/04/14 14:05	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		04/04/14 14:05	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		04/04/14 14:05	1
cis-1,2-Dichloroethene	<5.8		5.8	0.83	ug/Kg	☼		04/04/14 14:05	1
cis-1,3-Dichloropropene	<5.8		5.8	0.77	ug/Kg	☼		04/04/14 14:05	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/04/14 14:05	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		04/04/14 14:05	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		04/04/14 14:05	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		04/04/14 14:05	1
1,2-Dichloropropane	<5.8		5.8	0.89	ug/Kg	☼		04/04/14 14:05	1
1,3-Dichloropropene, Total	<5.8		5.8	0.77	ug/Kg	☼		04/04/14 14:05	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		04/04/14 14:05	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		04/04/14 14:05	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		04/04/14 14:05	1
Methyl Ethyl Ketone	6.1		5.8	2.1	ug/Kg	☼		04/04/14 14:05	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		04/04/14 14:05	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		04/04/14 14:05	1
Styrene	<5.8		5.8	0.77	ug/Kg	☼		04/04/14 14:05	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		04/04/14 14:05	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		04/04/14 14:05	1
Toluene	<5.8		5.8	0.82	ug/Kg	☼		04/04/14 14:05	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		04/04/14 14:05	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		04/04/14 14:05	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		04/04/14 14:05	1
1,1,2-Trichloroethane	<5.8		5.8	0.80	ug/Kg	☼		04/04/14 14:05	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		04/04/14 14:05	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		04/04/14 14:05	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/04/14 14:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 122*		*04/04/14 14:05*	*1*
Dibromofluoromethane	*112*		*75 - 120*		*04/04/14 14:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 134*		*04/04/14 14:05*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*04/04/14 14:05*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
1,3-Dichlorobenzene	<190		190	41	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: EL-3(0-2)-040114
Date Collected: 04/01/14 12:05
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-15
Matrix: Solid
Percent Solids: 85.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	84	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
2,4-Dichlorophenol	<370		370	87	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
2,4-Dinitrophenol	<740		740	650	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
2,6-Dinitrotoluene	<190		190	72	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
2-Methylnaphthalene	<37		37	6.8	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
2-Methylphenol	<190		190	59	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
3 & 4 Methylphenol	<190		190	61	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Acenaphthylene	**13**	**J**	37	4.9	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Anthracene	**8.9**	**J**	37	6.2	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Benzo[a]anthracene	**30**	**J**	37	5.0	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Benzo[a]pyrene	**29**	**J**	37	7.1	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Benzo[b]fluoranthene	**43**		37	7.9	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Benzo[g,h,i]perylene	**27**	**J**	37	12	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Benzo[k]fluoranthene	**21**	**J**	37	11	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Bis(2-ethylhexyl) phthalate	<190		190	67	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Carbazole	<190		190	95	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Chrysene	**37**		37	10	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Dibenz(a,h)anthracene	<37		37	7.1	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Dibenzofuran	<190		190	43	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Diethyl phthalate	<190		190	62	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Fluoranthene	**36**	**J**	37	6.8	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Fluorene	<37		37	5.2	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Hexachloroethane	<190		190	56	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1

Client Sample ID: EL-3(0-2)-040114
Date Collected: 04/01/14 12:05
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-15
Matrix: Solid
Percent Solids: 85.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**18**	**J**	37	9.5	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Isophorone	<190		190	41	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Naphthalene	<37		37	5.7	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
N-Nitrosodi-n-propylamine	<190		190	45	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
N-Nitrosodiphenylamine	<190		190	43	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Phenanthrene	**25**	**J**	37	5.1	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Phenol	<190		190	82	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1
Pyrene	**52**		37	7.3	ug/Kg	☼	04/04/14 07:10	04/08/14 12:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*60*		*35 - 137*	*04/04/14 07:10*	*04/08/14 12:51*	*1*
2-Fluorobiphenyl	*59*		*25 - 119*	*04/04/14 07:10*	*04/08/14 12:51*	*1*
2-Fluorophenol	*61*		*25 - 110*	*04/04/14 07:10*	*04/08/14 12:51*	*1*
Nitrobenzene-d5	*52*		*25 - 115*	*04/04/14 07:10*	*04/08/14 12:51*	*1*
Phenol-d5	*63*		*31 - 110*	*04/04/14 07:10*	*04/08/14 12:51*	*1*
Terphenyl-d14	*75*		*36 - 134*	*04/04/14 07:10*	*04/08/14 12:51*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/07/14 18:55	1
Barium	**0.75**		0.50	0.050	mg/L		04/07/14 07:30	04/07/14 18:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 07:30	04/07/14 18:55	1
Cadmium	**0.0028**	**J**	0.0050	0.0020	mg/L		04/07/14 07:30	04/07/14 18:55	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:55	1
Cobalt	**0.044**		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:55	1
Copper	**0.013**	**J**	0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:55	1
Iron	**0.65**		0.20	0.20	mg/L		04/07/14 07:30	04/07/14 18:55	1
Lead	**0.012**		0.0075	0.0075	mg/L		04/07/14 07:30	04/07/14 18:55	1
Manganese	**10**		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:55	1
Nickel	**0.030**		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:55	1
Selenium	**0.016**	**J B**	0.050	0.010	mg/L		04/07/14 07:30	04/07/14 18:55	1
Silver	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:55	1
Zinc	**0.14**		0.10	0.020	mg/L		04/07/14 07:30	04/07/14 18:55	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 09:15	04/09/14 01:43	1
Barium	**0.15**	**J**	0.50	0.050	mg/L		04/07/14 09:15	04/09/14 01:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:15	04/09/14 01:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:15	04/09/14 01:43	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:43	1
Cobalt	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:43	1
Copper	**0.11**		0.10	0.010	mg/L		04/07/14 09:15	04/09/14 01:43	1
Iron	**1.8**		0.20	0.20	mg/L		04/07/14 09:15	04/09/14 01:43	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/10/14 09:45	04/11/14 05:46	1
Manganese	**0.18**		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:43	1
Nickel	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:43	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:15	04/09/14 01:43	1

Client Sample ID: EL-3(0-2)-040114
Date Collected: 04/01/14 12:05
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-15
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:43	1
Zinc	**0.15**	**B**	0.10	0.020	mg/L		04/07/14 09:15	04/09/14 01:43	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.44	mg/Kg	☼	04/02/14 15:30	04/03/14 22:48	1
Arsenic	**12**		0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 22:48	1
Barium	**82**		0.55	0.059	mg/Kg	☼	04/02/14 15:30	04/03/14 22:48	1
Beryllium	**0.65**		0.22	0.044	mg/Kg	☼	04/02/14 15:30	04/03/14 22:48	1
Cadmium	**1.0**	**B**	0.11	0.014	mg/Kg	☼	04/02/14 15:30	04/03/14 22:48	1
Calcium	**30000**	**B**	11	3.0	mg/Kg	☼	04/02/14 15:30	04/03/14 22:48	1
Chromium	**19**		0.55	0.064	mg/Kg	☼	04/02/14 15:30	04/03/14 22:48	1
Cobalt	**9.8**		0.28	0.055	mg/Kg	☼	04/02/14 15:30	04/03/14 22:48	1
Copper	**29**		0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 22:48	1
Iron	**22000**		11	4.5	mg/Kg	☼	04/02/14 15:30	04/03/14 22:48	1
Lead	**16**	**B**	0.28	0.082	mg/Kg	☼	04/02/14 15:30	04/03/14 22:48	1
Magnesium	**17000**	**B**	5.5	1.1	mg/Kg	☼	04/02/14 15:30	04/03/14 22:48	1
Manganese	**280**		0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 22:48	1
Nickel	**26**	**^**	0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 22:48	1
Potassium	**3000**		28	1.7	mg/Kg	☼	04/02/14 15:30	04/03/14 22:48	1
Selenium	<0.55		0.55	0.20	mg/Kg	☼	04/02/14 15:30	04/03/14 22:48	1
Silver	**0.035**	**J**	0.28	0.020	mg/Kg	☼	04/02/14 15:30	04/03/14 22:48	1
Sodium	**940**		55	7.4	mg/Kg	☼	04/02/14 15:30	04/03/14 22:48	1
Thallium	**0.49**	**J**	0.55	0.23	mg/Kg	☼	04/02/14 15:30	04/03/14 22:48	1
Vanadium	**26**		0.28	0.041	mg/Kg	☼	04/02/14 15:30	04/03/14 22:48	1
Zinc	**53**		1.1	0.22	mg/Kg	☼	04/02/14 15:30	04/03/14 22:48	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 11:51	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 12:45	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**32**		19	7.5	ug/Kg	☼	04/03/14 12:22	04/04/14 10:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.00**		0.200	0.200	SU			04/06/14 14:26	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
F1	MS and/or MSD Recovery exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F3	Duplicate RPD exceeds the control limit
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONM

2417 Bond Street, University Pa
Phone: 708.534.5200 Fax:

500-74264 COC

(optional)

Report To
Contact: S. Babusukumar
Company: Weston
Address: 150 B. Bunker Court Suite 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4019
Fax:
E-Mail:

(optional)

Bill To
Contact:
Company:
Address: SAME
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74264
Chain of Custody Number:
Page 1 of 3
Temperature °C of Cooler: 3.5

Client: Weston
Client Project #:
Project Name: IDOT-050[redacted]
Project Location/State: McCook, IL
Lab Project #:
Sampler: Dan Cukierski
Lab PM:

Preservative
Parameter

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Total Aluminum	PCBs			Comments
1		IP-13(0-4)-040114	4/1/14	0800	2	S	X	X	X	X	X	X				
2		IP-13(0-4)-040114D	4/1/14	0800	2	S	X	X	X	X	X	X				
3		IP-14(0-4)-040114	4/1/14	0820	2	S	X	X	X	X	X	X				
4		IP-15(0-4)-040114	4/1/14	0830	2	S	X	X	X	X	X	X				
5		EL-6(0-2)-040114	4/1/14	0855	2	S	X	X	X	X	X					
6		EL-5(0-2)-040114	4/1/14	0910	2	S	X	X	X	X	X					
7		EL-4(0-2)-040114	4/1/14	0915	2	S	X	X	X	X	X					
8		EL71-4(0-4.3)-040114	4/1/14	0945	2	S	X	X	X	X	X					
9		IP-6(0-4)-040114	4/1/14	1015	2	S	X	X	X	X	X	X				
10		IP-7(0-2)-040114	4/1/14	1040	2	S	X	X	X	X	X	X				

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Turnaround Time Required (Business Days)
___1 Day ___2 Days ___5 Days ___7 Days ___10 Days ___15 Days Standard ___Other
Requested Due Date

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	4/1/14	1529		TA	4/1/14	1530
	TA	4/1/14	1648		TA	4/2/14	0700

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500-74264

Chain of Custody Number:

Page 2 of 3

Temperature °C of Cooler:

Report To (optional)		Bill To (optional)	
Contact:	S. Babu Sukumar	Contact:	
Company:	Weston	Company:	
Address:	750 E. Bunker Court Suite 500	Address:	
Address:	Vernon Hills, IL 60061	Address:	SAMP
Phone:	847-918-4018	Phone:	
Fax:		Fax:	
E-Mail:		PO#/Reference#	

Client: Weston | Client Project #:

Project Name: IDOT OSO[redacted]

Project Location/State: McCook, IL | Lab Project #:

Sampler: Dan Cukierski | Lab PM:

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Total Aluminum	PCBs			Comments
11		IP-7(0-2)-040114D	4/1/14	1040	2	S	X	X	X	X	X	X				
12		IP-9(0-2)-040114	4/1/14	1115	2	S	X	X	X	X	X	X				
13		IP-11(0-4)-040114	4/1/14	1120	2	S	X	X	X	X	X	X				
14		EL-2(0-2)-040114	4/1/14	1150	2	S	X	X	X	X	X					
15		EL-3(0-2)-040114	4/1/14	1205	2	S	X	X	X	X	X					
16		CR-2(0-3)-040114	4/1/14	1235	2	S	X	X	X	X	X					
17		CR-2(3-7)-~~040114~~040114	4/1/14	1240	2	S	X	X	X	X	X					
18		IC-4(0-5)-040114	4/1/14	1310	2	S	X	X	X	X	X		X			
19		IC-4(5-9.5)-040114	4/1/14	1315	2	S	X	X	X	X	X		X			
20		IC-3(0-5)-040114	4/1/14	1340	2	S	X	X	X	X	X		X			

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard ___ Other
Requested Due Date _____

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
DD	Weston	4/1/14	1529		TA	4/1/14	1530
	TA	4/1/14	1648		TA	4/2/14	0700

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

Illinois Environmental Protection Agency

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663 Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAP 372: IL 171 (1st Ave) from 47th St to 55th St Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):

8475 W. 53rd Street

City: McCook State: IL Zip Code: _____

County: Cook Township: _____

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.796563845 (Decimal Degrees) Longitude: -87.829756867 (-Decimal Degrees)

Identify how the lat/long data were determined:

☒ GPS ☐ Map Interpolation ☐ Photo Interpolation ☐ Survey ☐ Other

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner		Site Operator	
Name:	Illinois Department of Transportation	Name:	Illinois Department of Transportation
Street Address:	201 West Center Court	Street Address:	201 West Center Court
PO Box:		PO Box:	
City:	Schaumburg State: IL	City:	Schaumburg State: IL
Zip Code:	60196-1096 Phone: 847-705-4101	Zip Code:	60196-1096 Phone: 847-705-4101
Contact:	Sam Mead	Contact:	Sam Mead
Email, if available:	Sam.Mead@illinois.gov	Email, if available:	Sam.Mead@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAP 372: IL 171 (1st Ave) from 47th St to 55th St

Latitude: 41.796563845 Longitude: -87.829756867

Uncontaminated Site Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

LOCATIONS CR-1 AND CR-2 WERE SAMPLED ADJACENT TO ISGS SITE No. 1860-17. SEE FIGURE 3-5 AND TABLE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201(g), 1100.205(a), 1100.610]:

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-74264-1
TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-74417-1

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Steven Gobelman, P.E., L.P.G (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman, P.E., L.P.G
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

6/12/14
Date:

P.E. or L.P.G. Seal:

STEVEN GOBELMAN
196-000598
LICENSED
PROFESSIONAL
GEOLOGIST
STATE OF ILLINOIS

Summary Table of ISGS Site No. 1860-17
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	CR-1(0-3)-040314	CR-1(3-7)-040314	CR-2(0-3)-040114	CR-2(3-7)-040114	Soil Reference Concentrations[A]
Sample Date	4/3/2014	4/3/2014	4/1/2014	4/1/2014	
Location ID	CR-1	CR-1	CR-2	CR-2	
ISGS Site No.	1860-17	1860-17	1860-17	1860-17	
Depth	0 - 3	3 - 7	0 - 3	3 - 7	
Lab Sample ID	500-74417-1	500-74417-2	500-74264-16	500-74264-17	
Parameter					
Laboratory pH (s.u.)	8.23	7.9	8.27	7.97	<6.25,>9.0
VOCs (ug/kg)					
Acetone	36	19	8.5	15	25000
SVOCs (ug/kg)					
2-Methylnaphthalene	8.4 J	ND	ND	ND	---
Acenaphthylene	12 J	ND	ND	ND	85000
Anthracene	35 J	ND	ND	ND	1.20E+07
Benzo(a)anthracene	190	ND	8.8 J	6.2 J	900 / 1100 / 1800
Benzo(a)pyrene	140	32 J	8.8 J	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	200	25 J	ND	13 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	100	19 J	ND	21 J	2300000
Benzo(k)fluoranthene	70	14 J	ND	ND	9000
Chrysene	210	ND	15 J	12 J	88000
Dibenzo(a,h)anthracene	28 J	ND	10 J	ND	90 / 200 / 420
Fluoranthene	370 J-	9.5 J	19 J	10 J	3100000
Fluorene	ND	ND	8.4 J	ND	560000
Indeno(1,2,3-cd)pyrene	82	22 J	ND	ND	900 / 900 / 1600
Phenanthrene	200	9.3 J	28 J	17 J	210000
Pyrene	330	12 J	34 J	16 J	2300000
Total Metals (mg/kg)					
Arsenic, Total	7.4 J+	6.2 J+	10 J	6.8 J	11.3 / 13
Barium, Total	45	24	49 J	45 J	1500
Beryllium, Total	0.43 J	0.28	0.58	0.47	22
Cadmium, Total	0.7	0.67	0.81 J	0.74 J	5.2
Calcium, Total	120000 J	120000 J	53000 J	83000 J	---
Chromium, Total	11	7.8	17 J	13 J	21
Cobalt, Total	6.9	4.7	9.8 J	7.3 J	20
Copper, Total	20	14	27 J	24 J	2900
Iron, Total	14000 J	11000 J	21000 J+	16000 J+	15000 / 15900
Lead, Total	35 J	7.2 J	13 J	12 J	107
Magnesium, Total	52000 J+	70000 J+	28000 J	37000 J	325000
Manganese, Total	360 J	300 J	340 J	310 J	630 / 636
Mercury, Total	0.02	0.019	0.026	0.028	0.89
Nickel, Total	17	11	26 J	19 J	100
Potassium, Total	2100 J+	1800 J+	3500 J	2800 J	---
Silver, Total	ND	0.038 J	ND	0.021 J	4.4
Sodium, Total	1600 J	360 J	2800 J	1200 J	---
Thallium, Total	ND	ND	0.38 J	0.42 J	2.6
Vanadium, Total	16 J	11 J	21	19	550
Zinc, Total	55 J	27 J	43 J	40 J	5100
TCLP Metals (mg/l)					
Barium, TCLP	0.38 J	0.45 J	0.71	0.72	2
Cadmium, TCLP	0.0023 J	0.002 J	0.0025 J	ND	0.005
Cobalt, TCLP	0.017 J	0.018 J	0.094	0.021 J	1
Copper, TCLP	0.037	ND	ND	0.014 J	0.65
Iron, TCLP	ND	ND	0.22	ND	5
Lead, TCLP	0.044	0.27	ND	ND	0.0075
Manganese, TCLP	3.5	3.8	5	3.3	0.15
Nickel, TCLP	0.018 J	0.02 J	0.036	0.017 J	0.1
Zinc, TCLP	0.08 J	0.034 J	0.096 J	0.14	5

Summary Table of ISGS Site No. 1860-17
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	CR-1(0-3)-040314	CR-1(3-7)-040314	CR-2(0-3)-040114	CR-2(3-7)-040114	**Soil Reference Concentrations[A]**
Sample Date	4/3/2014	4/3/2014	4/1/2014	4/1/2014	
Location ID	CR-1	CR-1	CR-2	CR-2	
ISGS Site No.	1860-17	1860-17	1860-17	1860-17	
Depth	0 - 3	3 - 7	0 - 3	3 - 7	
Lab Sample ID	500-74417-1	500-74417-2	500-74264-16	500-74264-17	
Parameter					
SPLP Metals (mg/l)					
Arsenic, SPLP	ND	ND	0.058	ND	0.05
Barium, SPLP	0.1 J	ND	0.66	0.24 J	2
Beryllium, SPLP	ND	ND	0.0053	ND	0.004
Cadmium, SPLP	ND	ND	0.002 J	ND	0.005
Chromium, SPLP	0.015 J	ND	0.14	0.026	0.1
Cobalt, SPLP	ND	ND	0.077	0.01 J	1
Copper, SPLP	0.017 J	ND	ND	ND	0.65
Iron, SPLP	8.6	ND	140	18	5
Lead, SPLP	0.017	ND	0.041	0.015	0.0075
Manganese, SPLP	0.14	0.061	1.4	0.24	0.15
Mercury, SPLP	ND	ND	0.00022	ND	0.002
Nickel, SPLP	0.021 J	ND	0.17	0.026	0.1
Zinc, SPLP	0.06 J	0.025 J	0.49 B	ND	5

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

ND - Constituent not detected above the reporting limit.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

Shaded values indicate concentration **exceeds** Reference Concentration.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-74264-1
Client Project/Site: IDOT - Lyons, McCook, Summit - 050
Revision: 1

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar

Authorized for release by:
4/22/2014 9:03:29 AM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: CR-2(0-3)-040114
Date Collected: 04/01/14 12:35
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-16
Matrix: Solid
Percent Solids: 83.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	8.5		6.0	2.6	ug/Kg	☼		04/04/14 14:29	1
Benzene	<6.0		6.0	0.83	ug/Kg	☼		04/04/14 14:29	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/04/14 14:29	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		04/04/14 14:29	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		04/04/14 14:29	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		04/04/14 14:29	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		04/04/14 14:29	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		04/04/14 14:29	1
Chloroethane	<6.0	*	6.0	1.6	ug/Kg	☼		04/04/14 14:29	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		04/04/14 14:29	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		04/04/14 14:29	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		04/04/14 14:29	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		04/04/14 14:29	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/04/14 14:29	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		04/04/14 14:29	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/04/14 14:29	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		04/04/14 14:29	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		04/04/14 14:29	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		04/04/14 14:29	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		04/04/14 14:29	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		04/04/14 14:29	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		04/04/14 14:29	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		04/04/14 14:29	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		04/04/14 14:29	1
Methyl tert-butyl ether	<6.0		6.0	1.0	ug/Kg	☼		04/04/14 14:29	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		04/04/14 14:29	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/04/14 14:29	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		04/04/14 14:29	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		04/04/14 14:29	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	☼		04/04/14 14:29	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		04/04/14 14:29	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		04/04/14 14:29	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		04/04/14 14:29	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		04/04/14 14:29	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		04/04/14 14:29	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		04/04/14 14:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 122*		*04/04/14 14:29*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*04/04/14 14:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*97*		*70 - 134*		*04/04/14 14:29*	*1*
Toluene-d8 (Surr)	*103*		*75 - 122*		*04/04/14 14:29*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: CR-2(0-3)-040114
Date Collected: 04/01/14 12:35
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-16
Matrix: Solid
Percent Solids: 83.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	91	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
2-Methylnaphthalene	<40		40	7.3	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
2-Methylphenol	<200		200	64	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
2-Nitrophenol	<400		400	94	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Anthracene	<40		40	6.7	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Benzo[a]anthracene	**8.8**	**J**	40	5.4	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Benzo[a]pyrene	**8.8**	**J**	40	7.7	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Benzo[b]fluoranthene	<40		40	8.6	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Carbazole	<200		200	100	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Chrysene	**15**	**J**	40	11	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Dibenz(a,h)anthracene	**10**	**J**	40	7.7	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Dibenzofuran	<200		200	47	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Fluoranthene	**19**	**J**	40	7.4	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Fluorene	**8.4**	**J**	40	5.6	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Hexachloroethane	<200		200	61	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: CR-2(0-3)-040114
Date Collected: 04/01/14 12:35
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-16
Matrix: Solid
Percent Solids: 83.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<40		40	10	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Isophorone	<200		200	45	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Naphthalene	<40		40	6.1	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Nitrobenzene	<40		40	10	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Phenanthrene	**28**	**J**	40	5.6	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Phenol	<200		200	89	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1
Pyrene	**34**	**J**	40	7.9	ug/Kg	☼	04/04/14 07:10	04/08/14 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*58*		*35 - 137*	*04/04/14 07:10*	*04/08/14 13:14*	*1*
2-Fluorobiphenyl	*55*		*25 - 119*	*04/04/14 07:10*	*04/08/14 13:14*	*1*
2-Fluorophenol	*46*		*25 - 110*	*04/04/14 07:10*	*04/08/14 13:14*	*1*
Nitrobenzene-d5	*44*		*25 - 115*	*04/04/14 07:10*	*04/08/14 13:14*	*1*
Phenol-d5	*55*		*31 - 110*	*04/04/14 07:10*	*04/08/14 13:14*	*1*
Terphenyl-d14	*110*		*36 - 134*	*04/04/14 07:10*	*04/08/14 13:14*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/07/14 19:01	1
Barium	**0.71**		0.50	0.050	mg/L		04/07/14 07:30	04/07/14 19:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 07:30	04/07/14 19:01	1
Cadmium	**0.0025**	**J**	0.0050	0.0020	mg/L		04/07/14 07:30	04/07/14 19:01	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 19:01	1
Cobalt	**0.094**		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 19:01	1
Copper	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 19:01	1
Iron	**0.22**		0.20	0.20	mg/L		04/07/14 07:30	04/07/14 19:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/07/14 07:30	04/07/14 19:01	1
Manganese	**5.0**		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 19:01	1
Nickel	**0.036**		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 19:01	1
Selenium	**0.017**	**J B**	0.050	0.010	mg/L		04/07/14 07:30	04/07/14 19:01	1
Silver	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 19:01	1
Zinc	**0.096**	**J**	0.10	0.020	mg/L		04/07/14 07:30	04/07/14 19:01	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.058**		0.050	0.010	mg/L		04/07/14 09:15	04/09/14 01:50	1
Barium	**0.66**		0.50	0.050	mg/L		04/07/14 09:15	04/09/14 01:50	1
Beryllium	**0.0053**		0.0040	0.0040	mg/L		04/07/14 09:15	04/09/14 01:50	1
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		04/07/14 09:15	04/09/14 01:50	1
Chromium	**0.14**		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:50	1
Cobalt	**0.077**		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:50	1
Copper	**0.33**		0.10	0.010	mg/L		04/07/14 09:15	04/09/14 01:50	1
Iron	**140**		0.20	0.20	mg/L		04/07/14 09:15	04/09/14 01:50	1
Lead	**0.041**		0.0075	0.0075	mg/L		04/10/14 09:45	04/11/14 05:52	1
Manganese	**1.4**		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:50	1
Nickel	**0.17**		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:50	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:15	04/09/14 01:50	1

Client Sample ID: CR-2(0-3)-040114
Date Collected: 04/01/14 12:35
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-16
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:50	1
Zinc	**0.49**	**B**	0.10	0.020	mg/L		04/07/14 09:15	04/09/14 01:50	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.47	mg/Kg	☼	04/02/14 15:30	04/03/14 22:54	1
Arsenic	**10**		0.58	0.12	mg/Kg	☼	04/02/14 15:30	04/03/14 22:54	1
Barium	**49**		0.58	0.062	mg/Kg	☼	04/02/14 15:30	04/03/14 22:54	1
Beryllium	**0.58**		0.23	0.046	mg/Kg	☼	04/02/14 15:30	04/03/14 22:54	1
Cadmium	**0.81**	**B**	0.12	0.015	mg/Kg	☼	04/02/14 15:30	04/03/14 22:54	1
Calcium	**53000**	**B**	12	3.1	mg/Kg	☼	04/02/14 15:30	04/03/14 22:54	1
Chromium	**17**		0.58	0.067	mg/Kg	☼	04/02/14 15:30	04/03/14 22:54	1
Cobalt	**9.8**		0.29	0.058	mg/Kg	☼	04/02/14 15:30	04/03/14 22:54	1
Copper	**27**		0.58	0.12	mg/Kg	☼	04/02/14 15:30	04/03/14 22:54	1
Iron	**21000**		12	4.8	mg/Kg	☼	04/02/14 15:30	04/03/14 22:54	1
Lead	**13**	**B**	0.29	0.087	mg/Kg	☼	04/02/14 15:30	04/03/14 22:54	1
Magnesium	**28000**	**B**	5.8	1.2	mg/Kg	☼	04/02/14 15:30	04/03/14 22:54	1
Manganese	**340**		0.58	0.12	mg/Kg	☼	04/02/14 15:30	04/03/14 22:54	1
Nickel	**26**	**^**	0.58	0.12	mg/Kg	☼	04/02/14 15:30	04/03/14 22:54	1
Potassium	**3500**		29	1.7	mg/Kg	☼	04/02/14 15:30	04/03/14 22:54	1
Selenium	<0.58		0.58	0.21	mg/Kg	☼	04/02/14 15:30	04/03/14 22:54	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	04/02/14 15:30	04/03/14 22:54	1
Sodium	**2800**		58	7.8	mg/Kg	☼	04/02/14 15:30	04/03/14 22:54	1
Thallium	**0.38**	**J**	0.58	0.25	mg/Kg	☼	04/02/14 15:30	04/03/14 22:54	1
Vanadium	**21**		0.29	0.043	mg/Kg	☼	04/02/14 15:30	04/03/14 22:54	1
Zinc	**43**		1.2	0.23	mg/Kg	☼	04/02/14 15:30	04/03/14 22:54	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 11:53	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.22**		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 12:55	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**26**		19	7.6	ug/Kg	☼	04/03/14 12:22	04/04/14 10:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.27**		0.200	0.200	SU			04/06/14 14:28	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: CR-2(3-7)-040114
Date Collected: 04/01/14 12:40
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-17
Matrix: Solid
Percent Solids: 85.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	15		5.9	2.5	ug/Kg	☼		04/04/14 14:53	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		04/04/14 14:53	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/04/14 14:53	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		04/04/14 14:53	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		04/04/14 14:53	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	☼		04/04/14 14:53	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		04/04/14 14:53	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		04/04/14 14:53	1
Chloroethane	<5.9	*	5.9	1.6	ug/Kg	☼		04/04/14 14:53	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		04/04/14 14:53	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		04/04/14 14:53	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	☼		04/04/14 14:53	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	☼		04/04/14 14:53	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/04/14 14:53	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		04/04/14 14:53	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		04/04/14 14:53	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		04/04/14 14:53	1
1,2-Dichloropropane	<5.9		5.9	0.89	ug/Kg	☼		04/04/14 14:53	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	☼		04/04/14 14:53	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		04/04/14 14:53	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		04/04/14 14:53	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		04/04/14 14:53	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		04/04/14 14:53	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		04/04/14 14:53	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	☼		04/04/14 14:53	1
Styrene	<5.9		5.9	0.77	ug/Kg	☼		04/04/14 14:53	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		04/04/14 14:53	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	☼		04/04/14 14:53	1
Toluene	<5.9		5.9	0.82	ug/Kg	☼		04/04/14 14:53	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		04/04/14 14:53	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		04/04/14 14:53	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/04/14 14:53	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	☼		04/04/14 14:53	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		04/04/14 14:53	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		04/04/14 14:53	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/04/14 14:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 122*		*04/04/14 14:53*	*1*
Dibromofluoromethane	*104*		*75 - 120*		*04/04/14 14:53*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*		*04/04/14 14:53*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*04/04/14 14:53*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: CR-2(3-7)-040114
Date Collected: 04/01/14 12:40
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-17
Matrix: Solid
Percent Solids: 85.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
2-Methylphenol	<190		190	62	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Anthracene	<38		38	6.4	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Benzo[a]anthracene	**6.2**	**J**	38	5.2	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Benzo[a]pyrene	<38		38	7.5	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Benzo[b]fluoranthene	**13**	**J**	38	8.3	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Benzo[g,h,i]perylene	**21**	**J**	38	12	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Carbazole	<190		190	99	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Chrysene	**12**	**J**	38	11	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Dibenzofuran	<190		190	45	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Fluoranthene	**10**	**J**	38	7.1	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Fluorene	<38		38	5.4	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Hexachloroethane	<190		190	59	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: CR-2(3-7)-040114
Date Collected: 04/01/14 12:40
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-17
Matrix: Solid
Percent Solids: 85.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	10	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Isophorone	<190		190	43	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Naphthalene	<38		38	5.9	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Phenanthrene	**17**	**J**	38	5.4	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Phenol	<190		190	86	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1
Pyrene	**16**	**J**	38	7.7	ug/Kg	☼	04/04/14 07:10	04/08/14 13:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*59*		*35 - 137*	*04/04/14 07:10*	*04/08/14 13:36*	*1*
2-Fluorobiphenyl	*61*		*25 - 119*	*04/04/14 07:10*	*04/08/14 13:36*	*1*
2-Fluorophenol	*60*		*25 - 110*	*04/04/14 07:10*	*04/08/14 13:36*	*1*
Nitrobenzene-d5	*53*		*25 - 115*	*04/04/14 07:10*	*04/08/14 13:36*	*1*
Phenol-d5	*65*		*31 - 110*	*04/04/14 07:10*	*04/08/14 13:36*	*1*
Terphenyl-d14	*79*		*36 - 134*	*04/04/14 07:10*	*04/08/14 13:36*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/07/14 19:06	1
Barium	**0.72**		0.50	0.050	mg/L		04/07/14 07:30	04/07/14 19:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 07:30	04/07/14 19:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 07:30	04/07/14 19:06	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 19:06	1
Cobalt	**0.021**	**J**	0.025	0.010	mg/L		04/07/14 07:30	04/07/14 19:06	1
Copper	**0.014**	**J**	0.025	0.010	mg/L		04/07/14 07:30	04/07/14 19:06	1
Iron	<0.20		0.20	0.20	mg/L		04/07/14 07:30	04/07/14 19:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/07/14 07:30	04/07/14 19:06	1
Manganese	**3.3**		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 19:06	1
Nickel	**0.017**	**J**	0.025	0.010	mg/L		04/07/14 07:30	04/07/14 19:06	1
Selenium	**0.015**	**J B**	0.050	0.010	mg/L		04/07/14 07:30	04/07/14 19:06	1
Silver	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 19:06	1
Zinc	**0.14**		0.10	0.020	mg/L		04/07/14 07:30	04/07/14 19:06	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 09:15	04/09/14 01:56	1
Barium	**0.24**	**J**	0.50	0.050	mg/L		04/07/14 09:15	04/09/14 01:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:15	04/09/14 01:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:15	04/09/14 01:56	1
Chromium	**0.026**		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:56	1
Cobalt	**0.010**	**J**	0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:56	1
Copper	**0.15**		0.10	0.010	mg/L		04/07/14 09:15	04/09/14 01:56	1
Iron	**18**		0.20	0.20	mg/L		04/07/14 09:15	04/09/14 01:56	1
Lead	**0.015**		0.0075	0.0075	mg/L		04/10/14 09:45	04/11/14 05:58	1
Manganese	**0.24**		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:56	1
Nickel	**0.026**		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:56	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:15	04/09/14 01:56	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: CR-2(3-7)-040114
Date Collected: 04/01/14 12:40
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-17
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 01:56	1
Zinc	**0.23**	**B**	0.10	0.020	mg/L		04/07/14 09:15	04/09/14 01:56	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.45	mg/Kg	☼	04/02/14 15:30	04/03/14 23:00	1
Arsenic	**6.8**		0.57	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 23:00	1
Barium	**45**		0.57	0.061	mg/Kg	☼	04/02/14 15:30	04/03/14 23:00	1
Beryllium	**0.47**		0.23	0.045	mg/Kg	☼	04/02/14 15:30	04/03/14 23:00	1
Cadmium	**0.74**	**B**	0.11	0.014	mg/Kg	☼	04/02/14 15:30	04/03/14 23:00	1
Calcium	**83000**	**B**	110	31	mg/Kg	☼	04/02/14 15:30	04/05/14 03:29	10
Chromium	**13**		0.57	0.066	mg/Kg	☼	04/02/14 15:30	04/03/14 23:00	1
Cobalt	**7.3**		0.28	0.057	mg/Kg	☼	04/02/14 15:30	04/03/14 23:00	1
Copper	**24**		0.57	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 23:00	1
Iron	**16000**		11	4.6	mg/Kg	☼	04/02/14 15:30	04/03/14 23:00	1
Lead	**12**	**B**	0.28	0.084	mg/Kg	☼	04/02/14 15:30	04/03/14 23:00	1
Magnesium	**37000**	**B**	5.7	1.2	mg/Kg	☼	04/02/14 15:30	04/03/14 23:00	1
Manganese	**310**		0.57	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 23:00	1
Nickel	**19**	**^**	0.57	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 23:00	1
Potassium	**2800**		28	1.7	mg/Kg	☼	04/02/14 15:30	04/03/14 23:00	1
Selenium	<0.57		0.57	0.20	mg/Kg	☼	04/02/14 15:30	04/03/14 23:00	1
Silver	**0.021**	**J**	0.28	0.020	mg/Kg	☼	04/02/14 15:30	04/03/14 23:00	1
Sodium	**1200**		57	7.6	mg/Kg	☼	04/02/14 15:30	04/03/14 23:00	1
Thallium	**0.42**	**J**	0.57	0.24	mg/Kg	☼	04/02/14 15:30	04/03/14 23:00	1
Vanadium	**19**		0.28	0.042	mg/Kg	☼	04/02/14 15:30	04/03/14 23:00	1
Zinc	**40**		1.1	0.23	mg/Kg	☼	04/02/14 15:30	04/03/14 23:00	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 11:55	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 12:57	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**28**		17	6.7	ug/Kg	☼	04/03/14 12:22	04/04/14 10:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.97**		0.200	0.200	SU			04/06/14 14:30	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
F1	MS and/or MSD Recovery exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F3	Duplicate RPD exceeds the control limit
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONM

2417 Bond Street, University Pa
Phone: 708.534.5200 Fax:

500-74264 COC

(optional)

Report To
Contact: S. Babusukumar
Company: Weston
Address: 150 B. Bunker Court Suite 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4019
Fax:
E-Mail:

(optional)

Bill To
Contact:
Company:
Address: SAME
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74264
Chain of Custody Number:
Page 1 of 3
Temperature °C of Cooler: 3.5

Client: Weston
Client Project #:
Project Name: IDOT-050[redacted]
Project Location/State: McCook, IL
Lab Project #:
Sampler: Dan Cukierski
Lab PM:

Preservative
Parameter

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Total Aluminum	PCBs			Comments
1		IP-13(0-4)-040114	4/1/14	0800	2	S	X	X	X	X	X	X				
2		IP-13(0-4)-040114D	4/1/14	0800	2	S	X	X	X	X	X	X				
3		IP-14(0-4)-040114	4/1/14	0820	2	S	X	X	X	X	X	X				
4		IP-15(0-4)-040114	4/1/14	0830	2	S	X	X	X	X	X	X				
5		EL-6(0-2)-040114	4/1/14	0855	2	S	X	X	X	X	X					
6		EL-5(0-2)-040114	4/1/14	0910	2	S	X	X	X	X	X					
7		EL-4(0-2)-040114	4/1/14	0915	2	S	X	X	X	X	X					
8		EL71-4(0-4.3)-040114	4/1/14	0945	2	S	X	X	X	X	X					
9		IP-6(0-4)-040114	4/1/14	1015	2	S	X	X	X	X	X	X				
10		IP-7(0-2)-040114	4/1/14	1040	2	S	X	X	X	X	X	X				

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Turnaround Time Required (Business Days)
___1 Day ___2 Days ___5 Days ___7 Days ___10 Days ___15 Days Standard ___Other
Requested Due Date

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	4/1/14	1529		TA	4/1/14	1530
	TA	4/1/14	1648		TA	4/2/14	0700

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500-74264

Chain of Custody Number:

Page 2 of 3

Temperature °C of Cooler:

Report To (optional)		Bill To (optional)	
Contact:	S. Babu Sukumar	Contact:	
Company:	Weston	Company:	
Address:	750 E. Bunker Court Suite 500	Address:	
Address:	Vernon Hills, IL 60061	Address:	SAMP
Phone:	847-918-4018	Phone:	
Fax:		Fax:	
E-Mail:		PO#/Reference#	

Client: Weston | Client Project #:

Project Name: IDOT OSO[redacted]

Project Location/State: McCook, IL | Lab Project #:

Sampler: Dan Cukierski | Lab PM:

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Total Aluminum	PCBs			Comments
11		IP-7(0-2)-040114D	4/1/14	1040	2	S	X	X	X	X	X	X				
12		IP-9(0-2)-040114	4/1/14	1115	2	S	X	X	X	X	X	X				
13		IP-11(0-4)-040114	4/1/14	1120	2	S	X	X	X	X	X	X				
14		EL-2(0-2)-040114	4/1/14	1150	2	S	X	X	X	X	X					
15		EL-3(0-2)-040114	4/1/14	1205	2	S	X	X	X	X	X					
16		CR-2(0-3)-040114	4/1/14	1235	2	S	X	X	X	X	X					
17		CR-2(3-7)-~~040114~~040114	4/1/14	1240	2	S	X	X	X	X	X					
18		IC-4(0-5)-040114	4/1/14	1310	2	S	X	X	X	X	X		X			
19		IC-4(5-9.5)-040114	4/1/14	1315	2	S	X	X	X	X	X		X			
20		IC-3(0-5)-040114	4/1/14	1340	2	S	X	X	X	X	X		X			

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard ___ Other
Requested Due Date _____

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
DD	Weston	4/1/14	1529		TA	4/1/14	1530
	TA	4/1/14	1648		TA	4/2/14	0700

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-74417-1
Client Project/Site: IDOT - Lyons, McCook, Summit - 050

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar

Authorized for release by:
4/14/2014 2:13:31 PM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Client Sample ID: CR-1(0-3)-040314
Date Collected: 04/03/14 09:05
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-1
Matrix: Solid
Percent Solids: 86.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	36		5.8	2.5	ug/Kg	☼		04/07/14 11:43	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		04/07/14 11:43	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/07/14 11:43	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		04/07/14 11:43	1
Bromomethane	<5.8		5.8	1.8	ug/Kg	☼		04/07/14 11:43	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		04/07/14 11:43	1
Carbon tetrachloride	<5.8	*	5.8	1.1	ug/Kg	☼		04/07/14 11:43	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		04/07/14 11:43	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		04/07/14 11:43	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		04/07/14 11:43	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		04/07/14 11:43	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		04/07/14 11:43	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		04/07/14 11:43	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/07/14 11:43	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		04/07/14 11:43	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		04/07/14 11:43	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		04/07/14 11:43	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		04/07/14 11:43	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		04/07/14 11:43	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		04/07/14 11:43	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		04/07/14 11:43	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		04/07/14 11:43	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		04/07/14 11:43	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		04/07/14 11:43	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		04/07/14 11:43	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		04/07/14 11:43	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		04/07/14 11:43	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		04/07/14 11:43	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		04/07/14 11:43	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		04/07/14 11:43	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		04/07/14 11:43	1
1,1,1-Trichloroethane	<5.8	*	5.8	0.87	ug/Kg	☼		04/07/14 11:43	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		04/07/14 11:43	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		04/07/14 11:43	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		04/07/14 11:43	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/07/14 11:43	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 122*		*04/07/14 11:43*	*1*
Dibromofluoromethane	*103*		*75 - 120*		*04/07/14 11:43*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 134*		*04/07/14 11:43*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*04/07/14 11:43*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Client Sample ID: CR-1(0-3)-040314
Date Collected: 04/03/14 09:05
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-1
Matrix: Solid
Percent Solids: 86.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
2-Methylnaphthalene	**8.4**	**J**	38	7.0	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
2-Methylphenol	<190		190	61	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Acenaphthylene	**12**	**J**	38	5.0	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Anthracene	**35**	**J**	38	6.4	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Benzo[a]anthracene	**190**		38	5.1	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Benzo[a]pyrene	**140**		38	7.4	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Benzo[b]fluoranthene	**200**		38	8.2	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Benzo[g,h,i]perylene	**100**		38	12	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Benzo[k]fluoranthene	**70**		38	11	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Carbazole	<190		190	98	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Chrysene	**210**		38	10	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Dibenz(a,h)anthracene	**28**	**J**	38	7.4	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Dibenzofuran	<190		190	45	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Fluoranthene	**370**		38	7.1	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Fluorene	<38		38	5.4	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Hexachloroethane	<190		190	58	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Client Sample ID: CR-1(0-3)-040314
Date Collected: 04/03/14 09:05
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-1
Matrix: Solid
Percent Solids: 86.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**82**		38	9.9	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Isophorone	<190		190	43	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Naphthalene	<38		38	5.9	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Phenanthrene	**200**		38	5.3	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Phenol	<190		190	85	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1
Pyrene	**330**		38	7.6	ug/Kg	☼	04/07/14 06:58	04/07/14 21:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*90*		*35 - 137*	*04/07/14 06:58*	*04/07/14 21:45*	*1*
2-Fluorobiphenyl	*68*		*25 - 119*	*04/07/14 06:58*	*04/07/14 21:45*	*1*
2-Fluorophenol	*69*		*25 - 110*	*04/07/14 06:58*	*04/07/14 21:45*	*1*
Nitrobenzene-d5	*67*		*25 - 115*	*04/07/14 06:58*	*04/07/14 21:45*	*1*
Phenol-d5	*72*		*31 - 110*	*04/07/14 06:58*	*04/07/14 21:45*	*1*
Terphenyl-d14	*76*		*36 - 134*	*04/07/14 06:58*	*04/07/14 21:45*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/11/14 08:30	04/11/14 17:29	1
Barium	**0.38**	**J**	0.50	0.050	mg/L		04/11/14 08:30	04/11/14 17:29	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/11/14 08:30	04/11/14 17:29	1
Cadmium	**0.0023**	**J**	0.0050	0.0020	mg/L		04/11/14 08:30	04/11/14 17:29	1
Chromium	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 17:29	1
Cobalt	**0.017**	**J**	0.025	0.010	mg/L		04/11/14 08:30	04/11/14 17:29	1
Copper	**0.037**		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 17:29	1
Iron	<0.20		0.20	0.20	mg/L		04/11/14 08:30	04/11/14 17:29	1
Lead	**0.044**		0.0075	0.0075	mg/L		04/11/14 08:30	04/11/14 17:29	1
Manganese	**3.5**		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 17:29	1
Nickel	**0.018**	**J**	0.025	0.010	mg/L		04/11/14 08:30	04/11/14 17:29	1
Selenium	**0.018**	**J B**	0.050	0.010	mg/L		04/11/14 08:30	04/11/14 17:29	1
Silver	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 17:29	1
Zinc	**0.080**	**J**	0.10	0.020	mg/L		04/11/14 08:30	04/11/14 17:29	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/11/14 08:30	04/12/14 00:55	1
Barium	**0.10**	**J**	0.50	0.050	mg/L		04/11/14 08:30	04/12/14 00:55	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/11/14 08:30	04/12/14 00:55	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/11/14 08:30	04/12/14 00:55	1
Chromium	**0.015**	**J**	0.025	0.010	mg/L		04/11/14 08:30	04/12/14 00:55	1
Cobalt	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 00:55	1
Copper	**0.017**	**J**	0.025	0.010	mg/L		04/11/14 08:30	04/12/14 00:55	1
Iron	**8.6**		0.20	0.20	mg/L		04/11/14 08:30	04/12/14 00:55	1
Lead	**0.017**		0.0075	0.0075	mg/L		04/11/14 08:30	04/12/14 00:55	1
Manganese	**0.14**		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 00:55	1
Nickel	**0.021**	**J**	0.025	0.010	mg/L		04/11/14 08:30	04/12/14 00:55	1
Selenium	<0.050		0.050	0.010	mg/L		04/11/14 08:30	04/12/14 00:55	1

Client Sample ID: CR-1(0-3)-040314
Date Collected: 04/03/14 09:05
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-1
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 00:55	1
Zinc	**0.060**	**J**	0.10	0.020	mg/L		04/11/14 08:30	04/12/14 00:55	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<5.4		5.4	2.2	mg/Kg	☼	04/08/14 16:00	04/10/14 14:49	5
Arsenic	**7.4**		2.7	0.54	mg/Kg	☼	04/08/14 16:00	04/10/14 14:49	5
Barium	**45**		2.7	0.29	mg/Kg	☼	04/08/14 16:00	04/10/14 14:49	5
Beryllium	**0.43**	**J**	1.1	0.22	mg/Kg	☼	04/08/14 16:00	04/10/14 14:49	5
Cadmium	**0.70**		0.54	0.069	mg/Kg	☼	04/08/14 16:00	04/10/14 14:49	5
Calcium	**120000**		54	15	mg/Kg	☼	04/08/14 16:00	04/10/14 14:49	5
Chromium	**11**		0.54	0.063	mg/Kg	☼	04/08/14 16:00	04/09/14 22:05	1
Cobalt	**6.9**		1.4	0.27	mg/Kg	☼	04/08/14 16:00	04/10/14 14:49	5
Copper	**20**		2.7	0.54	mg/Kg	☼	04/08/14 16:00	04/10/14 14:49	5
Iron	**14000**		54	22	mg/Kg	☼	04/08/14 16:00	04/10/14 14:49	5
Lead	**35**		1.4	0.41	mg/Kg	☼	04/08/14 16:00	04/10/14 14:49	5
Magnesium	**52000**		27	5.6	mg/Kg	☼	04/08/14 16:00	04/10/14 14:49	5
Manganese	**360**		2.7	0.54	mg/Kg	☼	04/08/14 16:00	04/10/14 14:49	5
Nickel	**17**		2.7	0.54	mg/Kg	☼	04/08/14 16:00	04/10/14 14:49	5
Potassium	**2100**		27	1.6	mg/Kg	☼	04/08/14 16:00	04/09/14 22:05	1
Selenium	<2.7		2.7	0.97	mg/Kg	☼	04/08/14 16:00	04/10/14 14:49	5
Silver	<1.4		1.4	0.099	mg/Kg	☼	04/08/14 16:00	04/10/14 14:49	5
Sodium	**1600**		54	7.3	mg/Kg	☼	04/08/14 16:00	04/09/14 22:05	1
Thallium	<2.7		2.7	1.1	mg/Kg	☼	04/08/14 16:00	04/10/14 14:49	5
Vanadium	**16**		1.4	0.20	mg/Kg	☼	04/08/14 16:00	04/10/14 14:49	5
Zinc	**55**		5.4	1.1	mg/Kg	☼	04/08/14 16:00	04/10/14 14:49	5

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.10	ug/L		04/11/14 15:10	04/14/14 10:35	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.10	ug/L		04/11/14 15:10	04/14/14 11:18	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**20**		19	7.3	ug/Kg	☼	04/07/14 15:19	04/08/14 10:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.23**		0.200	0.200	SU			04/07/14 14:47	1

Client Sample ID: CR-1(3-7)-040314
Date Collected: 04/03/14 09:10
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-2
Matrix: Solid
Percent Solids: 84.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	19		5.9	2.6	ug/Kg	☼		04/07/14 12:07	1
Benzene	<5.9		5.9	0.82	ug/Kg	☼		04/07/14 12:07	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/07/14 12:07	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		04/07/14 12:07	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		04/07/14 12:07	1
Carbon disulfide	<5.9		5.9	0.89	ug/Kg	☼		04/07/14 12:07	1
Carbon tetrachloride	<5.9	*	5.9	1.1	ug/Kg	☼		04/07/14 12:07	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		04/07/14 12:07	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		04/07/14 12:07	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		04/07/14 12:07	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		04/07/14 12:07	1
cis-1,2-Dichloroethene	<5.9		5.9	0.84	ug/Kg	☼		04/07/14 12:07	1
cis-1,3-Dichloropropene	<5.9		5.9	0.78	ug/Kg	☼		04/07/14 12:07	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/07/14 12:07	1
1,1-Dichloroethane	<5.9		5.9	0.94	ug/Kg	☼		04/07/14 12:07	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/07/14 12:07	1
1,1-Dichloroethene	<5.9		5.9	0.96	ug/Kg	☼		04/07/14 12:07	1
1,2-Dichloropropane	<5.9		5.9	0.90	ug/Kg	☼		04/07/14 12:07	1
1,3-Dichloropropene, Total	<5.9		5.9	0.78	ug/Kg	☼		04/07/14 12:07	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		04/07/14 12:07	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		04/07/14 12:07	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		04/07/14 12:07	1
Methyl Ethyl Ketone	<5.9		5.9	2.2	ug/Kg	☼		04/07/14 12:07	1
methyl isobutyl ketone	<5.9		5.9	1.6	ug/Kg	☼		04/07/14 12:07	1
Methyl tert-butyl ether	<5.9		5.9	0.98	ug/Kg	☼		04/07/14 12:07	1
Styrene	<5.9		5.9	0.78	ug/Kg	☼		04/07/14 12:07	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		04/07/14 12:07	1
Tetrachloroethene	<5.9		5.9	0.91	ug/Kg	☼		04/07/14 12:07	1
Toluene	<5.9		5.9	0.83	ug/Kg	☼		04/07/14 12:07	1
trans-1,2-Dichloroethene	<5.9		5.9	0.82	ug/Kg	☼		04/07/14 12:07	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		04/07/14 12:07	1
1,1,1-Trichloroethane	<5.9	*	5.9	0.89	ug/Kg	☼		04/07/14 12:07	1
1,1,2-Trichloroethane	<5.9		5.9	0.81	ug/Kg	☼		04/07/14 12:07	1
Trichloroethene	<5.9		5.9	0.98	ug/Kg	☼		04/07/14 12:07	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		04/07/14 12:07	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		04/07/14 12:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*118*		*70 - 122*		*04/07/14 12:07*	*1*
Dibromofluoromethane	*111*		*75 - 120*		*04/07/14 12:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*04/07/14 12:07*	*1*
Toluene-d8 (Surr)	*105*		*75 - 122*		*04/07/14 12:07*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Client Sample ID: CR-1(3-7)-040314
Date Collected: 04/03/14 09:10
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-2
Matrix: Solid
Percent Solids: 84.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
2-Methylnaphthalene	<39		39	7.2	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
2-Methylphenol	<200		200	63	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Anthracene	<39		39	6.6	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Benzo[a]pyrene	**32**	**J**	39	7.6	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Benzo[b]fluoranthene	**25**	**J**	39	8.5	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Benzo[g,h,i]perylene	**19**	**J**	39	13	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Benzo[k]fluoranthene	**14**	**J**	39	12	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Carbazole	<200		200	100	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Chrysene	<39		39	11	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Dibenzofuran	<200		200	46	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Fluoranthene	**9.5**	**J**	39	7.3	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Fluorene	<39		39	5.5	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Hexachlorocyclopentadiene	<790		790	230	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Hexachloroethane	<200		200	60	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Client Sample ID: CR-1(3-7)-040314
Date Collected: 04/03/14 09:10
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-2
Matrix: Solid
Percent Solids: 84.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	22	J	39	10	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Isophorone	<200		200	44	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Naphthalene	<39		39	6.1	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Phenanthrene	9.3	J	39	5.5	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Phenol	<200		200	87	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1
Pyrene	12	J	39	7.8	ug/Kg	☼	04/07/14 06:58	04/08/14 13:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*87*		*35 - 137*	*04/07/14 06:58*	*04/08/14 13:07*	*1*
2-Fluorobiphenyl	*74*		*25 - 119*	*04/07/14 06:58*	*04/08/14 13:07*	*1*
2-Fluorophenol	*72*		*25 - 110*	*04/07/14 06:58*	*04/08/14 13:07*	*1*
Nitrobenzene-d5	*61*		*25 - 115*	*04/07/14 06:58*	*04/08/14 13:07*	*1*
Phenol-d5	*62*		*31 - 110*	*04/07/14 06:58*	*04/08/14 13:07*	*1*
Terphenyl-d14	*108*		*36 - 134*	*04/07/14 06:58*	*04/08/14 13:07*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/11/14 08:30	04/11/14 17:34	1
Barium	0.45	J	0.50	0.050	mg/L		04/11/14 08:30	04/11/14 17:34	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/11/14 08:30	04/11/14 17:34	1
Cadmium	0.0020	J	0.0050	0.0020	mg/L		04/11/14 08:30	04/11/14 17:34	1
Chromium	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 17:34	1
Cobalt	0.018	J	0.025	0.010	mg/L		04/11/14 08:30	04/11/14 17:34	1
Copper	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 17:34	1
Iron	<0.20		0.20	0.20	mg/L		04/11/14 08:30	04/11/14 17:34	1
Lead	0.27		0.0075	0.0075	mg/L		04/11/14 08:30	04/11/14 17:34	1
Manganese	3.8		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 17:34	1
Nickel	0.020	J	0.025	0.010	mg/L		04/11/14 08:30	04/11/14 17:34	1
Selenium	0.011	J B	0.050	0.010	mg/L		04/11/14 08:30	04/11/14 17:34	1
Silver	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 17:34	1
Zinc	0.034	J	0.10	0.020	mg/L		04/11/14 08:30	04/11/14 17:34	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/11/14 08:30	04/12/14 01:20	1
Barium	<0.50		0.50	0.050	mg/L		04/11/14 08:30	04/12/14 01:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/11/14 08:30	04/12/14 01:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/11/14 08:30	04/12/14 01:20	1
Chromium	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 01:20	1
Cobalt	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 01:20	1
Copper	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 01:20	1
Iron	<0.20		0.20	0.20	mg/L		04/11/14 08:30	04/12/14 01:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/11/14 08:30	04/12/14 01:20	1
Manganese	0.061		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 01:20	1
Nickel	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 01:20	1
Selenium	<0.050		0.050	0.010	mg/L		04/11/14 08:30	04/12/14 01:20	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Client Sample ID: CR-1(3-7)-040314
Date Collected: 04/03/14 09:10
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-2
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 01:20	1
Zinc	**0.025**	**J**	0.10	0.020	mg/L		04/11/14 08:30	04/12/14 01:20	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.47	mg/Kg	☼	04/08/14 16:00	04/09/14 22:36	1
Arsenic	**6.2**		0.58	0.12	mg/Kg	☼	04/08/14 16:00	04/09/14 22:36	1
Barium	**24**		0.58	0.062	mg/Kg	☼	04/08/14 16:00	04/09/14 22:36	1
Beryllium	**0.28**		0.23	0.046	mg/Kg	☼	04/08/14 16:00	04/09/14 22:36	1
Cadmium	**0.67**		0.12	0.015	mg/Kg	☼	04/08/14 16:00	04/09/14 22:36	1
Calcium	**120000**		120	31	mg/Kg	☼	04/08/14 16:00	04/10/14 15:35	10
Chromium	**7.8**		0.58	0.067	mg/Kg	☼	04/08/14 16:00	04/09/14 22:36	1
Cobalt	**4.7**		0.29	0.058	mg/Kg	☼	04/08/14 16:00	04/09/14 22:36	1
Copper	**14**		0.58	0.12	mg/Kg	☼	04/08/14 16:00	04/09/14 22:36	1
Iron	**11000**		12	4.8	mg/Kg	☼	04/08/14 16:00	04/09/14 22:36	1
Lead	**7.2**		0.29	0.086	mg/Kg	☼	04/08/14 16:00	04/09/14 22:36	1
Magnesium	**70000**		58	12	mg/Kg	☼	04/08/14 16:00	04/10/14 15:35	10
Manganese	**300**		0.58	0.12	mg/Kg	☼	04/08/14 16:00	04/09/14 22:36	1
Nickel	**11**		0.58	0.12	mg/Kg	☼	04/08/14 16:00	04/09/14 22:36	1
Potassium	**1800**		29	1.7	mg/Kg	☼	04/08/14 16:00	04/09/14 22:36	1
Selenium	<0.58		0.58	0.21	mg/Kg	☼	04/08/14 16:00	04/09/14 22:36	1
Silver	**0.038**	**J**	0.29	0.021	mg/Kg	☼	04/08/14 16:00	04/09/14 22:36	1
Sodium	**360**		58	7.8	mg/Kg	☼	04/08/14 16:00	04/09/14 22:36	1
Thallium	<0.58		0.58	0.24	mg/Kg	☼	04/08/14 16:00	04/09/14 22:36	1
Vanadium	**11**		0.29	0.043	mg/Kg	☼	04/08/14 16:00	04/09/14 22:36	1
Zinc	**27**		1.2	0.23	mg/Kg	☼	04/08/14 16:00	04/09/14 22:36	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.10	ug/L		04/11/14 15:10	04/14/14 10:41	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.10	ug/L		04/11/14 15:10	04/14/14 11:20	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**19**		18	7.0	ug/Kg	☼	04/07/14 15:19	04/08/14 10:39	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.90**		0.200	0.200	SU			04/07/14 14:50	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL T

2417 Bond Street, University Park, IL 6048
Phone: 708.534.5200 Fax: 708.534.5

500-74417 COC

(optional)

Report To
Contact: S. Babusukumar
Company: Weston Solutions Inc
Address: 750 E Bunker Ct. Ste. 500
Address: Vernon Hills, IL 60061
Phone: 847.918.4018
Fax: 847.918.4055
E-Mail:

(optional)

Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74417
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 3.4

Client: Weston Solutions Inc
Client Project #:
Project Name: IDOT 050 IL 171 from 47th to 55th St
Project Location/State: Lyons/McCook/Summit IL
Lab Project #:
Sampler: M. Doheny-Skubic
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TOTAL METALS	TCLP/SPLP METALS	PH	Comments
1		CR-1(0-3)-040314	4-3-14	0905	2	S	X	X	X	X	X	
2		CR-1(3-7)-040314		0910	2	S	X	X	X	X	X	
3		IC-19(0-2)-040314		0925	2	S	X	X	X	X	X	
4		IC-8(0-2)-040314		0939	2	S	X	X	X	X	X	
5		IC-18(0-2)-040314		0955	2	S	X	X	X	X	X	
6		IC-9(0-2)-040314		1015	2	S	X	X	X	X	X	
7		IC-17(0-2)-040314		1025	2	S	X	X	X	X	X	
8		IC-10(0-2)-040314		1040	2	S	X	X	X	X	X	
9		IC-12(0-2)-040314		1055	2	S	X	X	X	X	X	
10		IC-15(0-2)-040314	4-3-14	1115	2	S	X	X	X	X	X	

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date _____

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Matt Doheny-Skubic	Weston	4-3-14	1312		TA	4/3/14	1312
	TA	4/3/14	1900		TA-CHI	4/3/14	1900

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

4/14/2014

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)		Bill To (optional)	
Contact:	S. Babusukumar	Contact:	SAME
Company:	Weston Solutions Inc	Company:	
Address:	750 E Bunker Ct Ste 500	Address:	
Address:	Vernon Hills, IL 60061	Address:	
Phone:	847-918-4018	Phone:	
Fax:	847-918-4055	Fax:	
E-Mail:		PO#/Reference#	

Chain of Custody Record

Lab Job #: 500-74417

Chain of Custody Number:

Page 2 of 2

Temperature °C of Cooler: 3.4

Client: Weston Solutions Inc

Client Project #: 02056.013.050.0020

Project Name: IDOT 050 - IL 171 from 47th to 55th St

Project Location/State: Lyons/McCook/Summit IL

Lab Project #:

Sampler: M. Polany-Skubic

Lab PM: D. Wright

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs (8)	SVOCs (8)	Total Metals (8)	TCLP/SPLP Metals (8)	pH (8)					Comments
11		IC-13(0-2)-040314	4-3-14	1145	2	S	X	X	X	X	X					
12		IC-14(0-2)-040314	4-3-14	1215	2	S	X	X	X	X	X					

MPS

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date ______

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
M. Polany-Skubic	Weston	4-3-14	1312	[signature]	TA	4/3/14	1312
[signature]	TA	4/3/14	1400	Shawn Scott	TA-CHI	4/3/14	1400

Lab Courier: TA

Shipped:

Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TAL-4124-500 (1209)

Illinois Environmental Protection Agency

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663 Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAP 372: IL 171 (1st Ave) from 47th St to 55th St Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):

I-55/IL 171 Interchange between the Des Plaines River and the Chicago and Sanitary Ship Canal

City: Summit State: IL Zip Code: _____

County: Cook Township: _____

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.792948406 (Decimal Degrees) Longitude: -87.819494124 (-Decimal Degrees)

Identify how the lat/long data were determined:

☒ GPS ☐ Map Interpolation ☐ Photo Interpolation ☐ Survey ☐ Other

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner		Site Operator	
Name:	Illinois Department of Transportation	Name:	Illinois Department of Transportation
Street Address:	201 West Center Court	Street Address:	201 West Center Court
PO Box:		PO Box:	
City:	Schaumburg State: IL	City:	Schaumburg State: IL
Zip Code:	60196-1096 Phone: 847-705-4101	Zip Code:	60196-1096 Phone: 847-705-4101
Contact:	Sam Mead	Contact:	Sam Mead
Email, if available:	Sam.Mead@illinois.gov	Email, if available:	Sam.Mead@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAP 372: IL 171 (1st Ave) from 47th St to 55th St

Latitude: 41.792948406 Longitude: -87.819494124

Uncontaminated Site Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

LOCATIONS IC-2 THROUGH IC-13 AND IC-15 THROUGH IC-19, WERE SAMPLED ADJACENT TO ISGS SITE No. 1860-23. SEE FIGURES 3-3, 3-4, 3-10, AND 3-11 AND TABLE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201(g), 1100.205(a), 1100.610]:

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-74263-1, 500-74264-1, 500-74266-1, 500-74346-1, 500-74360-1, AND 500-74417-1

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Steven Gobelman, P.E., L.P.G (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman, P.E., L.P.G
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

6/12/14
Date:

P.E. or L.P.G. Seal:

Summary Table of ISGS Site No. 1860-23
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	IC-2(0-4)-040214	IC-2(4-8)-040214	IC-3(5-9.5)-040114	IC-3(5-9.5)-040114D	IC-3(0-5)-040114	Soil Reference Concentrations[A]
Sample Date	4/2/2014	4/2/2014	4/1/2014	4/1/2014	4/1/2014	
Location ID	IC-2	IC-2	IC-3	IC-3	IC-3	
ISGS Site No.	1860-23	1860-23	1860-23	1860-23	1860-23	
Depth	0 - 4	4 - 8	5 - 9.5	5 - 9.5	0 - 5	
Lab Sample ID	500-74346-7	500-74346-8	500-74266-5	500-74266-6	500-74264-20	
Parameter						
Laboratory pH (s.u.)	8.5	7.77	7.81	7.85	8.2	<6.25,>9.0
VOCs (ug/kg)						
Acetone	15	11	21	26	ND	25000
SVOCs (ug/kg)						
2-Methylnaphthalene	ND	13 J	11 J	8 J	43	---
Acenaphthene	ND	ND	ND	ND	17 J	570000
Acenaphthylene	ND	8.2 J	ND	ND	8.2 J	85000
Anthracene	ND	15 J	ND	ND	71	1.20E+07
Benzo(a)anthracene	ND	52	13 J	8.7 J	210	900 / 1100 / 1800
Benzo(a)pyrene	ND	55	36 J	33 J	190	90 / 1300 / 2100
Benzo(b)fluoranthene	13 J	76	31 J	26 J	290	900 / 1500 / 2100
Benzo(g,h,i)perylene	ND	45	27 J	23 J	170	2300000
Benzo(k)fluoranthene	ND	34 J	17 J	17 J	ND	9000
Chrysene	16 J	73	32 J	22 J	250	88000
Dibenzo(a,h)anthracene	ND	11 J	ND	ND	45	90 / 200 / 420
Fluoranthene	11 J	96	29 J	22 J	430	3100000
Fluorene	ND	8.7 J	ND	ND	28 J	560000
Indeno(1,2,3-cd)pyrene	ND	39 J	24 J	22 J	130	900 / 900 / 1600
Naphthalene, SVOC	ND	11 J	ND	ND	25 J	1800
Phenanthrene	ND	76	53	65	320	210000
Pyrene	14 J	140	41	36 J	650	2300000
PCBs (ug/kg)						
Aroclor-1254	na	na	ND	ND	69	1000
Aroclor-1260	na	na	ND	ND	65	1000
Total Metals (mg/kg)						
Antimony, Total	0.85 J	ND	ND	ND	ND	5
Arsenic, Total	7.8	5.3	7.6	7.7	9.9 J	11.3 / 13
Barium, Total	110	81	36	27	60 J	1500
Beryllium, Total	0.65	0.54	0.43	0.32	0.63	22
Cadmium, Total	2.1 J-	1.1 J-	0.82 J-	0.59 J-	0.91 J	5.2
Calcium, Total	25000 J	55000 J	46000 B	47000 B	47000 J	---
Chromium, Total	28	20	12	9.5	19 J	21
Cobalt, Total	9.9	9	8.1 J	7.8 J	11 J	20
Copper, Total	49 J-	35 J-	25	23	31 J	2900
Iron, Total	22000 J	19000 J	16000	15000	21000 J+	15000 / 15900
Lead, Total	73 J-	26 J-	14 B	12 B	16 J	107
Magnesium, Total	14000 J	26000 J	24000 B	25000 B	23000 J	325000
Manganese, Total	410 J+	510 J+	340 J	340 J	430 J	630 / 636
Mercury, Total	0.29	0.062	0.026 J+	0.03 J+	0.018 J	0.89
Nickel, Total	26 J-	23 J-	18 ^	17 ^	28 J	100
Potassium, Total	2500 J+	2600 J+	1700	1500	3800 J	---
Selenium, Total	0.55 J	ND	ND	ND	ND	1.3
Silver, Total	0.78	0.15 J	0.064 J	0.047 J	0.032 J	4.4
Sodium, Total	4500	870	850 J-	680 J-	2100 J	---
Thallium, Total	0.52 J	0.54 J	0.46 J	0.61	0.5 J	2.6
Vanadium, Total	23	19	15	13	23	550
Zinc, Total	210 J-	75 J-	60 J-	50 J-	52 J	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.58	0.72	0.3 J	0.33 J	0.64	2
Cadmium, TCLP	0.0054	ND	0.0032 J	0.0056	0.018	0.005
Cobalt, TCLP	ND	0.013 J	0.031 J	0.055 J	0.076	1
Copper, TCLP	0.011 J	0.012 J	0.012 J	0.024 J	2.1	0.65
Iron, TCLP	ND	ND	ND	3.9 J	1.1	5
Lead, TCLP	0.0079	0.0083	ND	0.02	0.17	0.0075
Manganese, TCLP	1.6	4.2	4.4	6.5	7.2	0.15
Nickel, TCLP	0.013 J	0.015 J	0.03 J	0.063 J	0.088	0.1
Selenium, TCLP	ND	ND	ND	0.018 J	ND	0.05
Zinc, TCLP	0.18	0.2	0.19	0.31	1	5

Summary Table of ISGS Site No. 1860-23
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: IIllinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	IC-2(0-4)-040214	IC-2(4-8)-040214	IC-3(5-9.5)-040114	IC-3(5-9.5)-040114D	IC-3(0-5)-040114	**Soil Reference Concentrations[A]**
Sample Date	4/2/2014	4/2/2014	4/1/2014	4/1/2014	4/1/2014	
Location ID	IC-2	IC-2	IC-3	IC-3	IC-3	
ISGS Site No.	1860-23	1860-23	1860-23	1860-23	1860-23	
Depth	0 - 4	4 - 8	5 - 9.5	5 - 9.5	0 - 5	
Lab Sample ID	500-74346-7	500-74346-8	500-74266-5	500-74266-6	500-74264-20	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	0.049 J	ND	ND	ND	0.01 J	0.05
Barium, SPLP	1.2	0.55	ND	ND	0.45 J	2
Beryllium, SPLP	0.005	ND	ND	ND	ND	0.004
Cadmium, SPLP	0.0052	ND	ND	ND	ND	0.005
Chromium, SPLP	0.14	0.01 J	ND	ND	0.047	0.1
Cobalt, SPLP	0.051	ND	ND	ND	0.016 J	1
Copper, SPLP	0.18	0.019 J	ND	ND	ND	0.65
Iron, SPLP	130	6.9	ND	ND	36	5
Lead, SPLP	0.2	0.013	ND	ND	0.39	0.0075
Manganese, SPLP	0.88	0.18	0.14 B	0.23 B	0.36	0.15
Mercury, SPLP	0.00062 B	ND	ND	ND	0.00015 J	0.002
Nickel, SPLP	0.15	ND	ND	ND	0.048	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	1.2	0.46	ND	ND	0.39 B	5

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

^ - Laboratory Control Spike (LCS) or LCS duplicate exceeded the control limits.

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

Shaded values indicate concentration **exceeds** Reference Concentration.

Summary Table of ISGS Site No. 1860-23
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	IC-4(0-5)-040114	IC-4(5-9.5)-040114	IC-5(0-4)-040114	IC-5(4-8)-040114	IC-6(0-6)-040214	Soil Reference Concentrations[A]
Sample Date	4/1/2014	4/1/2014	4/1/2014	4/1/2014	4/2/2014	
Location ID	IC-4	IC-4	IC-5	IC-5	IC-6	
ISGS Site No.	1860-23	1860-23	1860-23	1860-23	1860-23	
Depth	0 - 5	5 - 9.5	0 - 4	4 - 8	0 - 6	
Lab Sample ID	500-74264-18	500-74264-19	500-74263-16	500-74263-17	500-74346-9	
Parameter						
Laboratory pH (s.u.)	8.01	7.64	8.49	7.88	8.32	<6.25,>9.0
VOCs (ug/kg)						
Acetone	9.1	22	12	6.5	ND	25000
SVOCs (ug/kg)						
2-Methylnaphthalene	23 J	36 J	ND	ND	24 J	---
Acenaphthene	12 J	43	ND	ND	ND	570000
Acenaphthylene	ND	15 J	ND	ND	ND	85000
Anthracene	25 J	110	ND	ND	ND	1.20E+07
Benzo(a)anthracene	63	330	ND	ND	16 J	900 / 1100 / 1800
Benzo(a)pyrene	53	260	ND	ND	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	85	330	ND	ND	29 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	55	170	ND	ND	32 J	2300000
Benzo(k)fluoranthene	43	150	ND	ND	ND	9000
Chrysene	73	420	ND	ND	30 J	88000
Dibenzo(a,h)anthracene	17 J	54	ND	ND	ND	90 / 200 / 420
Fluoranthene	110	560	ND	ND	29 J	3100000
Fluorene	16 J	45	ND	ND	ND	560000
Indeno(1,2,3-cd)pyrene	ND	120	ND	ND	14 J	900 / 900 / 1600
Naphthalene, SVOC	17 J	30 J	ND	ND	ND	1800
Phenanthrene	130	500	ND	ND	51	210000
Pyrene	210	1100	ND	ND	53	2300000
PCBs (ug/kg)						
Aroclor-1254	ND	ND	na	na	na	1000
Aroclor-1260	ND	ND	na	na	na	1000
Total Metals (mg/kg)						
Antimony, Total	ND	ND	ND	0.51 J	ND	5
Arsenic, Total	6.4 J	12 J	7	8.6	6.8	11.3 / 13
Barium, Total	47 J	110 J	120	47	52	1500
Beryllium, Total	0.5	0.41	0.62	0.66	0.55	22
Cadmium, Total	0.79 J	1 J	0.64	0.96	0.58 J-	5.2
Calcium, Total	43000 J	49000 J	31000 J+	47000 J+	48000 J	---
Chromium, Total	16 J	11 J	19 J+	19 J+	18	21
Cobalt, Total	8.5 J	8.7 J	8.1	10	9.8	20
Copper, Total	24 J	32 J	26 J-	35 J-	25 J-	2900
Iron, Total	17000 J+	16000 J+	20000 J+	23000 J+	19000 J	15000 / 15900
Lead, Total	16 J	33 J	12 J	12 J	30 J-	107
Magnesium, Total	23000 J	27000 J	17000 J+	23000 J+	23000 J	325000
Manganese, Total	350 J	350 J	270 J	300 J	340 J+	630 / 636
Mercury, Total	0.051	0.055	0.03 J	0.023 J	0.028	0.89
Nickel, Total	22 J	20 J	26 ^	31 ^	25 J-	100
Potassium, Total	3000 J	2200 J	3000 J+	3800 J+	2900 J+	---
Selenium, Total	ND	ND	ND	ND	ND	1.3
Silver, Total	0.051 J	0.086 J	ND	0.034 J	ND	4.4
Sodium, Total	2300 J	1800 J	2700 J+	290 J+	1800	---
Thallium, Total	0.54 J	0.99	ND	0.62	0.35 J	2.6
Vanadium, Total	19	15	25	24	21	550
Zinc, Total	49 J	83 J	44	43	58 J-	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.34 J	0.25 J	0.54	0.55	0.34 J	2
Cadmium, TCLP	0.0054	0.0059	ND	ND	ND	0.005
Cobalt, TCLP	0.026	0.048	ND	ND	ND	1
Copper, TCLP	0.013 J	0.014 J	ND	0.012 J	ND	0.65
Iron, TCLP	0.24	0.36	ND	ND	ND	5
Lead, TCLP	ND	0.02	ND	ND	ND	0.0075
Manganese, TCLP	3.9	3.3	2.4	2.3	1.7	0.15
Nickel, TCLP	0.028	0.051	0.011 J	0.014 J	0.013 J	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	0.22	0.45	ND	ND	0.15	5

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Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	IC-4(0-5)-040114	IC-4(5-9.5)-040114	IC-5(0-4)-040114	IC-5(4-8)-040114	IC-6(0-6)-040214	**Soil Reference Concentrations[A]**
Sample Date	4/1/2014	4/1/2014	4/1/2014	4/1/2014	4/2/2014	
Location ID	IC-4	IC-4	IC-5	IC-5	IC-6	
ISGS Site No.	1860-23	1860-23	1860-23	1860-23	1860-23	
Depth	0 - 5	5 - 9.5	0 - 4	4 - 8	0 - 6	
Lab Sample ID	500-74264-18	500-74264-19	500-74263-16	500-74263-17	500-74346-9	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	ND	ND	ND	ND	0.05
Barium, SPLP	0.17 J	0.15 J	0.74	0.16 J	0.49 J	2
Beryllium, SPLP	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	ND	ND	0.012 J	ND	ND	0.1
Cobalt, SPLP	ND	ND	0.023 J	ND	ND	1
Copper, SPLP	ND	ND	0.077	ND	ND	0.65
Iron, SPLP	3.1	0.2	8.1 J	ND	0.51	5
Lead, SPLP	0.045	0.0091	0.053	ND	ND	0.0075
Manganese, SPLP	0.05	0.35	0.98	0.052	0.01 J	0.15
Mercury, SPLP	ND	ND	0.00028	ND	ND	0.002
Nickel, SPLP	ND	ND	0.038	ND	ND	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	ND	ND	0.28	0.12	0.48	5

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

^ - Laboratory Control Spike (LCS) or LCS duplicate exceeded the control limits.

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

Shaded values indicate concentration **exceeds** Reference Concentration.

Summary Table of ISGS Site No. 1860-23
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	IC-6(6-12)-040214D	IC-6(6-12)-040214	IC-7(0-5)-040214	IC-7(5-9.5)-040214	IC-8(0-2)-040314	Soil Reference Concentrations[A]
Sample Date	4/2/2014	4/2/2014	4/2/2014	4/2/2014	4/3/2014	
Location ID	IC-6	IC-6	IC-7	IC-7	IC-8	
ISGS Site No.	1860-23	1860-23	1860-23	1860-23	1860-23	
Depth	6 - 12	12 - 6	0 - 5	5 - 9.5	0 - 2	
Lab Sample ID	500-74346-11	500-74346-10	500-74360-9	500-74360-10	500-74417-4	
Parameter						
Laboratory pH (s.u.)	8.03	7.89	8.28	7.99	8.35	<6.25,>9.0
VOCs (ug/kg)						
Acetone	ND	9.7	16	12	ND	25000
SVOCs (ug/kg)						
2-Methylnaphthalene	30 J	17 J	ND	73	8.6 J	---
Acenaphthene	9.5 J	ND	ND	8.2 J	ND	570000
Acenaphthylene	ND	ND	ND	ND	ND	85000
Anthracene	30 J	ND	13 J	16 J	ND	1.20E+07
Benzo(a)anthracene	80 J	8.1 J	12 J	44	ND	900 / 1100 / 1800
Benzo(a)pyrene	78 J	ND	35 J	53	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	120 J	14 J	31 J	57	14 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	67 J	ND	24 J	40	23 J	2300000
Benzo(k)fluoranthene	43	ND	15 J	25 J	ND	9000
Chrysene	99 J	17 J	24 J	57	23 J	88000
Dibenzo(a,h)anthracene	14 J	ND	ND	27 J	ND	90 / 200 / 420
Fluoranthene	160 J	13 J	32 J	82	15 J	3100000
Fluorene	16 J	ND	ND	12 J	ND	560000
Indeno(1,2,3-cd)pyrene	47	ND	23 J	32 J	ND	900 / 900 / 1600
Naphthalene, SVOC	17 J	ND	ND	25 J	ND	1800
Phenanthrene	130 J	28 J	34 J	79	29 J	210000
Pyrene	240 J	27 J	46	88	20 J	2300000
PCBs (ug/kg)						
Aroclor-1254	na	na	na	na	na	1000
Aroclor-1260	na	na	na	na	na	1000
Total Metals (mg/kg)						
Antimony, Total	ND	ND	ND	ND	ND	5
Arsenic, Total	7	9.4	6.5	6.4	6.4 J+	11.3 / 13
Barium, Total	40	67	56	51	63	1500
Beryllium, Total	0.49	0.67	0.58	0.56	0.53	22
Cadmium, Total	0.59 J-	0.88 J-	0.74	0.74	0.8	5.2
Calcium, Total	66000 J	82000 J	43000 J-	49000 J-	50000 J	---
Chromium, Total	17	22	17	17	17	21
Cobalt, Total	8.3	13	10 J-	9.3 J-	9.2	20
Copper, Total	31 J-	32 J-	27	23	23	2900
Iron, Total	19000 J	25000 J	19000 J	19000 J	18000 J	15000 / 15900
Lead, Total	27 J	15 J	13 J	11 J	14 J	107
Magnesium, Total	29000 J	32000 J	23000 J	25000 J	24000 J+	325000
Manganese, Total	290 J	510 J	360 J-	360 J-	340 J	630 / 636
Mercury, Total	0.029	0.028	0.029	0.025	0.032	0.89
Nickel, Total	24 J-	33 J-	25 J-	25 J-	24	100
Potassium, Total	2900 J+	3800 J+	2600 J	3200 J	3000 J+	---
Selenium, Total	ND	ND	ND	ND	ND	1.3
Silver, Total	0.031 J	0.021 J	0.065 J	0.027 J	0.077 J	4.4
Sodium, Total	1100	730	680 J+	230 J+	770 J	---
Thallium, Total	0.36 J	0.54 J	ND	ND	0.33 J	2.6
Vanadium, Total	19	25	21	21	19 J	550
Zinc, Total	58 J-	51 J-	46	43	44 J	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	ND	ND	0.05
Barium, TCLP	0.51	0.58	0.64	0.56	0.77	2
Cadmium, TCLP	0.0023 J	ND	ND	ND	0.002 J	0.005
Cobalt, TCLP	0.025	0.027	0.015 J	0.015 J	ND	1
Copper, TCLP	0.012 J	ND	ND	ND	0.035	0.65
Iron, TCLP	ND	ND	ND	ND	ND	5
Lead, TCLP	0.046 J	ND	ND	ND	0.0099	0.0075
Manganese, TCLP	2.8	4.5	4.9	3.2	1.4	0.15
Nickel, TCLP	0.034	0.033	0.014 J	0.022 J	0.018 J	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	0.22	0.14	ND	ND	0.048 J	5

Summary Table of ISGS Site No. 1860-23
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	IC-6(6-12)-040214D	IC-6(6-12)-040214	IC-7(0-5)-040214	IC-7(5-9.5)-040214	IC-8(0-2)-040314	**Soil Reference Concentrations[A]**
Sample Date	4/2/2014	4/2/2014	4/2/2014	4/2/2014	4/3/2014	
Location ID	IC-6	IC-6	IC-7	IC-7	IC-8	
ISGS Site No.	1860-23	1860-23	1860-23	1860-23	1860-23	
Depth	6 - 12	12 - 6	0 - 5	5 - 9.5	0 - 2	
Lab Sample ID	500-74346-11	500-74346-10	500-74360-9	500-74360-10	500-74417-4	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	0.01 J	ND	0.02 J	ND	0.03 J	0.05
Barium, SPLP	0.69	0.39 J	0.33 J	0.062 J	0.48 J	2
Beryllium, SPLP	ND	ND	ND	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	0.03	0.012 J	0.066	ND	0.091	0.1
Cobalt, SPLP	0.01 J	ND	0.036	ND	0.033	1
Copper, SPLP	0.038	0.014 J	0.082	0.011 J	0.11	0.65
Iron, SPLP	22 J	7.2 J	68	1.7	71	5
Lead, SPLP	0.035 J	0.0087 J	0.065	ND	0.043	0.0075
Manganese, SPLP	0.3 J	0.17 J	1.2	0.082	0.62	0.15
Mercury, SPLP	ND	ND	0.00016 J	ND	0.00015 J	0.002
Nickel, SPLP	0.029	ND	0.079	ND	0.1	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.57 J	0.25 J	0.18	0.041 J	0.25	5

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

^ - Laboratory Control Spike (LCS) or LCS duplicate exceeded the control limits.

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

Shaded values indicate concentration **exceeds** Reference Concentration.

Summary Table of ISGS Site No. 1860-23
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	IC-9(0-2)-040314	IC-10(0-2)-040314	IC-11(0-2)-040114	IC-12(0-2)-040314	IC-13(0-2)-040314	Soil Reference Concentrations[A]
Sample Date	4/3/2014	4/3/2014	4/1/2014	4/3/2014	4/3/2014	
Location ID	IC-9	IC-10	IC-11	IC-12	IC-13	
ISGS Site No.	1860-23	1860-23	1860-23	1860-23	1860-23	
Depth	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	
Lab Sample ID	500-74417-6	500-74417-8	500-74266-4	500-74417-9	500-74417-11	
Parameter						
Laboratory pH (s.u.)	8.5	8.07	8.46	8.52	8.76	<6.25,>9.0
VOCs (ug/kg)						
Acetone	ND	ND	9.1	ND	ND	25000
SVOCs (ug/kg)						
2-Methylnaphthalene	ND	15 J	ND	12 J	12 J	---
Acenaphthene	ND	ND	ND	ND	ND	570000
Acenaphthylene	ND	ND	ND	30 J	48	85000
Anthracene	ND	ND	ND	50	67	1.20E+07
Benzo(a)anthracene	ND	36 J	ND	200	280	900 / 1100 / 1800
Benzo(a)pyrene	32 J	36 J	31 J	200	290	90 / 1300 / 2100
Benzo(b)fluoranthene	24 J	48	25 J	250	420	900 / 1500 / 2100
Benzo(g,h,i)perylene	19 J	40	24 J	240	270	2300000
Benzo(k)fluoranthene	15 J	20 J	ND	120	160	9000
Chrysene	12 J	51	15 J	250	330	88000
Dibenzo(a,h)anthracene	22 J	ND	ND	63	74	90 / 200 / 420
Fluoranthene	ND	59	ND	410	560	3100000
Fluorene	ND	ND	ND	10 J	13 J	560000
Indeno(1,2,3-cd)pyrene	21 J	22 J	21 J	200	210	900 / 900 / 1600
Naphthalene, SVOC	ND	ND	ND	11 J	13 J	1800
Phenanthrene	12 J	46	17 J	210	260	210000
Pyrene	11 J	67	17 J	450	490	2300000
PCBs (ug/kg)						
Aroclor-1254	na	na	na	na	na	1000
Aroclor-1260	na	na	na	na	na	1000
Total Metals (mg/kg)						
Antimony, Total	ND	ND	ND	0.71 J	0.7 J	5
Arsenic, Total	7.5 J+	5.1 J+	6.6	7.2 J+	8 J+	11.3 / 13
Barium, Total	53	49	93	110	110	1500
Beryllium, Total	0.62	0.59	0.58	0.71	0.68	22
Cadmium, Total	0.86	0.79	0.77 J-	2.4	2.8	5.2
Calcium, Total	48000 J	50000 J	47000 B	18000 J	35000 J	---
Chromium, Total	20	19	18	26	32	21
Cobalt, Total	12	7.8	11 J	12	10	20
Copper, Total	25	18	26	62	54	2900
Iron, Total	21000 J	18000 J	20000	21000 J	21000 J	15000 / 15900
Lead, Total	16 J	8.6 J	11 B	90 J	82 J	107
Magnesium, Total	23000 J+	24000 J+	23000 B	12000 J+	20000 J+	325000
Manganese, Total	420 J	280 J	390 J	430 J	410 J	630 / 636
Mercury, Total	0.028	0.036	0.025 J+	0.25	0.14	0.89
Nickel, Total	29	22	28 ^	28	27	100
Potassium, Total	3500 J+	3600 J+	3100	2400 J+	3000 J+	---
Selenium, Total	ND	ND	ND	0.52 J	0.31 J	1.3
Silver, Total	0.03 J	ND	0.03 J	0.28 J	0.69	4.4
Sodium, Total	1700 J	870 J	1200 J-	2800 J	3700 J	---
Thallium, Total	0.31 J	ND	0.34 J	ND	0.35 J	2.6
Vanadium, Total	23 J	21 J	21	27 J	24 J	550
Zinc, Total	49 J	39 J	42 J-	320 J	200 J	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	ND	0.011 J	ND	0.05
Barium, TCLP	0.61	0.19 J	0.75	0.42 J	1.1 B	2
Cadmium, TCLP	0.0054	0.0027 J	0.0039 J	0.0086	0.0099	0.005
Cobalt, TCLP	0.061	ND	0.06	ND	ND	1
Copper, TCLP	0.021 J	0.019 J	0.011 J	0.034	0.017 J	0.65
Iron, TCLP	ND	ND	0.85	0.26	ND	5
Lead, TCLP	0.008	ND	0.37	0.0099	ND	0.0075
Manganese, TCLP	4.3	1.4	5.9	1.1	0.73	0.15
Nickel, TCLP	0.066	0.017 J	0.062	0.017 J	ND	0.1
Selenium, TCLP	ND	ND	ND	ND	ND	0.05
Zinc, TCLP	0.15	0.06 J	0.16	0.33	0.78 B	5

Summary Table of ISGS Site No. 1860-23
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Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	IC-9(0-2)-040314	IC-10(0-2)-040314	IC-11(0-2)-040114	IC-12(0-2)-040314	IC-13(0-2)-040314	**Soil Reference Concentrations[A]**
Sample Date	4/3/2014	4/3/2014	4/1/2014	4/3/2014	4/3/2014	
Location ID	IC-9	IC-10	IC-11	IC-12	IC-13	
ISGS Site No.	1860-23	1860-23	1860-23	1860-23	1860-23	
Depth	0 - 2	0 - 2	0 - 2	0 - 2	0 - 2	
Lab Sample ID	500-74417-6	500-74417-8	500-74266-4	500-74417-9	500-74417-11	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	0.014 J	ND	0.016 J	0.057	0.077	0.05
Barium, SPLP	0.25 J	0.054 J	ND	0.95	0.71	2
Beryllium, SPLP	ND	ND	ND	0.0068	0.0066	0.004
Cadmium, SPLP	ND	ND	ND	0.0077	0.01	0.005
Chromium, SPLP	0.052	ND	0.051	0.23	0.22	0.1
Cobalt, SPLP	0.015 J	ND	0.021 J	0.054	0.064	1
Copper, SPLP	0.069	ND	ND	0.22	0.29	0.65
Iron, SPLP	37	ND	41	190	160	5
Lead, SPLP	0.024	ND	0.032	0.28	0.32	0.0075
Manganese, SPLP	0.26	ND	0.68 B	0.88	1	0.15
Mercury, SPLP	ND	ND	ND	0.00059	0.0013	0.002
Nickel, SPLP	0.05	ND	0.056	0.18	0.19	0.1
Selenium, SPLP	ND	ND	ND	0.012 J	ND	0.05
Zinc, SPLP	0.14	0.029 J	ND	1.1	1.2	5

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

^ - Laboratory Control Spike (LCS) or LCS duplicate exceeded the control limits.

ND - Constituent not detected above the reporting limit.

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J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

Shaded values indicate concentration **exceeds** Reference Concentration.

Summary Table of ISGS Site No. 1860-23
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
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Field Sample ID	IC-15(0-2)-040314	IC-16(0-4)-040114	IC-17(0-2)-040314	IC-18(0-2)-040314	IC-19(0-2)-040314	Soil Reference Concentrations[A]
Sample Date	4/3/2014	4/1/2014	4/3/2014	4/3/2014	4/3/2014	
Location ID	IC-15	IC-16	IC-17	IC-18	IC-19	
ISGS Site No.	1860-23	1860-23	1860-23	1860-23	1860-23	
Depth	0 - 2	0 - 4	0 - 2	0 - 2	0 - 2	
Lab Sample ID	500-74417-10	500-74266-3	500-74417-7	500-74417-5	500-74417-3	
Parameter						
Laboratory pH (s.u.)	8.67	7.95	8.1	8.71	8.77	<6.25,>9.0
VOCs (ug/kg)						
Acetone	ND	ND	ND	ND	ND	25000
SVOCs (ug/kg)						
2-Methylnaphthalene	ND	14 J	ND	7.1 J	7.6 J	---
Acenaphthene	ND	ND	ND	ND	ND	570000
Acenaphthylene	ND	ND	ND	ND	ND	85000
Anthracene	14 J	22 J	ND	ND	ND	1.20E+07
Benzo(a)anthracene	60	79	48	48	23 J	900 / 1100 / 1800
Benzo(a)pyrene	69	87	58	53	24 J	90 / 1300 / 2100
Benzo(b)fluoranthene	79	110	65	81	41	900 / 1500 / 2100
Benzo(g,h,i)perylene	51	70	45	56	39	2300000
Benzo(k)fluoranthene	40	49	26 J	31 J	14 J	9000
Chrysene	90	110	69	69	35 J	88000
Dibenzo(a,h)anthracene	29 J	31 J	27 J	12 J	ND	90 / 200 / 420
Fluoranthene	120	160	74	120	45	3100000
Fluorene	ND	ND	ND	ND	ND	560000
Indeno(1,2,3-cd)pyrene	42	55	37 J	38 J	21 J	900 / 900 / 1600
Naphthalene, SVOC	8.7 J	ND	ND	ND	ND	1800
Phenanthrene	65	84	39	55	26 J	210000
Pyrene	120	130	95	95	40	2300000
PCBs (ug/kg)						
Aroclor-1254	na	na	na	na	na	1000
Aroclor-1260	na	na	na	na	na	1000
Total Metals (mg/kg)						
Antimony, Total	ND	0.73 J	ND	ND	ND	5
Arsenic, Total	7.8 J+	7.9	7.2 J+	7.2 J+	8.8 J+	11.3 / 13
Barium, Total	57	84	77	58	61	1500
Beryllium, Total	0.48	0.58	0.67	0.59	0.65	22
Cadmium, Total	1.2	1.4 J-	0.88	0.96	1	5.2
Calcium, Total	50000 J	47000 B	44000 J	43000 J	43000 J	---
Chromium, Total	17	23	20	20	20	21
Cobalt, Total	9.4	8.9 J	9.9	9.9	13	20
Copper, Total	30	37	26	30	35	2900
Iron, Total	19000 J	19000	20000 J	20000 J	22000 J	15000 / 15900
Lead, Total	29 J	74 B	21 J	23 J	31 J	107
Magnesium, Total	29000 J+	25000 B	22000 J+	22000 J+	22000 J+	325000
Manganese, Total	430 J	330 J	410 J	340 J	450 J	630 / 636
Mercury, Total	0.06	0.029 J+	0.031	0.058	0.032	0.89
Nickel, Total	23	25 ^	27	26	30	100
Potassium, Total	2600 J+	2800	3400 J+	3200 J+	3500 J+	---
Selenium, Total	ND	ND	ND	ND	ND	1.3
Silver, Total	0.15 J	0.16 J	0.048 J	0.12 J	0.049 J	4.4
Sodium, Total	1600 J	1800 J-	2800 J	2200 J	1400 J	---
Thallium, Total	0.47 J	0.72	0.26 J	0.49 J	0.37 J	2.6
Vanadium, Total	19 J	21	26 J	22 J	24 J	550
Zinc, Total	65 J	92 J-	51 J	65 J	61 J	5100
TCLP Metals (mg/l)						
Arsenic, TCLP	ND	ND	0.01 J	ND	ND	0.05
Barium, TCLP	0.53	0.48 J	0.13 J	0.46 J	0.57	2
Cadmium, TCLP	0.0045 J	0.0053	0.0022 J	0.003 J	0.0053	0.005
Cobalt, TCLP	ND	0.013 J	ND	0.042	0.056	1
Copper, TCLP	0.014 J	0.011 J	0.011 J	0.012 J	0.017 J	0.65
Iron, TCLP	0.22	ND	ND	ND	ND	5
Lead, TCLP	0.01	0.0083	0.012	0.025	0.085	0.0075
Manganese, TCLP	0.91	2.4	1.6	3.7	4.3	0.15
Nickel, TCLP	0.014 J	0.015 J	0.019 J	0.041	0.065	0.1
Selenium, TCLP	ND	0.012 J	ND	ND	ND	0.05
Zinc, TCLP	0.056 J	0.17	0.039 J	0.043 J	0.15	5

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Illinois Department of Transportation
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Field Sample ID	IC-15(0-2)-040314	IC-16(0-4)-040114	IC-17(0-2)-040314	IC-18(0-2)-040314	IC-19(0-2)-040314	**Soil Reference Concentrations[A]**
Sample Date	4/3/2014	4/1/2014	4/3/2014	4/3/2014	4/3/2014	
Location ID	IC-15	IC-16	IC-17	IC-18	IC-19	
ISGS Site No.	1860-23	1860-23	1860-23	1860-23	1860-23	
Depth	0 - 2	0 - 4	0 - 2	0 - 2	0 - 2	
Lab Sample ID	500-74417-10	500-74266-3	500-74417-7	500-74417-5	500-74417-3	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	0.065	ND	ND	0.057	0.054	0.05
Barium, SPLP	0.54	ND	0.065 J	0.61	0.57	2
Beryllium, SPLP	0.0045	ND	ND	0.0053	0.0052	0.004
Cadmium, SPLP	0.0045 J	ND	ND	0.0027 J	0.0028 J	0.005
Chromium, SPLP	0.13	ND	ND	0.15	0.13	0.1
Cobalt, SPLP	0.049	ND	ND	0.05	0.044	1
Copper, SPLP	0.2	ND	ND	0.2	0.21	0.65
Iron, SPLP	140	0.25	0.2	130	120	5
Lead, SPLP	0.14	ND	ND	0.1	0.14	0.0075
Manganese, SPLP	0.81	ND	ND	0.87	0.73	0.15
Mercury, SPLP	0.00049	ND	ND	0.00036	0.00018 J	0.002
Nickel, SPLP	0.14	ND	ND	0.16	0.15	0.1
Selenium, SPLP	ND	ND	ND	ND	ND	0.05
Zinc, SPLP	0.55	ND	0.034 J	0.46	0.42	5

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

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J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

Shaded values indicate concentration **exceeds** Reference Concentration.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-74263-1
Client Project/Site: IDOT - Lyons, McCook, Summit - 050

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar

Authorized for release by:
4/11/2014 10:44:47 AM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: IC-5(0-4)-040114
Date Collected: 04/01/14 13:05
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-16
Matrix: Solid
Percent Solids: 85.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	12		5.9	2.5	ug/Kg	☼		04/02/14 18:32	1
Benzene	<5.9		5.9	0.80	ug/Kg	☼		04/02/14 18:32	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/02/14 18:32	1
Bromoform	<5.9		5.9	1.3	ug/Kg	☼		04/02/14 18:32	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		04/02/14 18:32	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	☼		04/02/14 18:32	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		04/02/14 18:32	1
Chlorobenzene	<5.9		5.9	0.59	ug/Kg	☼		04/02/14 18:32	1
Chloroethane	<5.9	*	5.9	1.6	ug/Kg	☼		04/02/14 18:32	1
Chloroform	<5.9		5.9	0.67	ug/Kg	☼		04/02/14 18:32	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 18:32	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	☼		04/02/14 18:32	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	☼		04/02/14 18:32	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/02/14 18:32	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		04/02/14 18:32	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		04/02/14 18:32	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		04/02/14 18:32	1
1,2-Dichloropropane	<5.9		5.9	0.89	ug/Kg	☼		04/02/14 18:32	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	☼		04/02/14 18:32	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 18:32	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		04/02/14 18:32	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		04/02/14 18:32	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		04/02/14 18:32	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		04/02/14 18:32	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	☼		04/02/14 18:32	1
Styrene	<5.9		5.9	0.77	ug/Kg	☼		04/02/14 18:32	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 18:32	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	☼		04/02/14 18:32	1
Toluene	<5.9		5.9	0.82	ug/Kg	☼		04/02/14 18:32	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		04/02/14 18:32	1
trans-1,3-Dichloropropene	<5.9		5.9	1.0	ug/Kg	☼		04/02/14 18:32	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/02/14 18:32	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	☼		04/02/14 18:32	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		04/02/14 18:32	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 18:32	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/02/14 18:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 122*		*04/02/14 18:32*	*1*
Dibromofluoromethane	*108*		*75 - 120*		*04/02/14 18:32*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 134*		*04/02/14 18:32*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*04/02/14 18:32*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: IC-5(0-4)-040114
Date Collected: 04/01/14 13:05
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-16
Matrix: Solid
Percent Solids: 85.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
2-Methylphenol	<190		190	62	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Anthracene	<38		38	6.4	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Benzo[a]pyrene	<38		38	7.5	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Carbazole	<190		190	99	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Chrysene	<38		38	10	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Dibenzofuran	<190		190	45	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Fluorene	<38		38	5.4	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Hexachloroethane	<190		190	59	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1

Client Sample ID: IC-5(0-4)-040114
Date Collected: 04/01/14 13:05
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-16
Matrix: Solid
Percent Solids: 85.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	10	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Isophorone	<190		190	43	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Naphthalene	<38		38	5.9	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Phenanthrene	<38		38	5.4	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Phenol	<190		190	86	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1
Pyrene	<38		38	7.6	ug/Kg	☼	04/03/14 07:22	04/07/14 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*47*		*35 - 137*	*04/03/14 07:22*	*04/07/14 19:40*	*1*
2-Fluorobiphenyl	*37*		*25 - 119*	*04/03/14 07:22*	*04/07/14 19:40*	*1*
2-Fluorophenol	*40*		*25 - 110*	*04/03/14 07:22*	*04/07/14 19:40*	*1*
Nitrobenzene-d5	*36*		*25 - 115*	*04/03/14 07:22*	*04/07/14 19:40*	*1*
Phenol-d5	*44*		*31 - 110*	*04/03/14 07:22*	*04/07/14 19:40*	*1*
Terphenyl-d14	*53*		*36 - 134*	*04/03/14 07:22*	*04/07/14 19:40*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 19:01	1
Barium	**0.54**		0.50	0.050	mg/L		04/04/14 10:15	04/04/14 19:01	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/14 10:15	04/04/14 19:01	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/14 10:15	04/04/14 19:01	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 19:01	1
Cobalt	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 19:01	1
Copper	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 19:01	1
Iron	<0.20		0.20	0.20	mg/L		04/04/14 10:15	04/04/14 19:01	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/04/14 10:15	04/04/14 19:01	1
Manganese	**2.4**		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 19:01	1
Nickel	**0.011**	**J**	0.025	0.010	mg/L		04/04/14 10:15	04/04/14 19:01	1
Selenium	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 19:01	1
Silver	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 19:01	1
Zinc	**0.091**	**J**	0.10	0.020	mg/L		04/04/14 10:15	04/04/14 19:01	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/08/14 13:29	1
Barium	**0.74**		0.50	0.050	mg/L		04/07/14 09:00	04/08/14 01:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:00	04/08/14 13:29	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:00	04/08/14 01:04	1
Chromium	**0.012**	**J**	0.025	0.010	mg/L		04/07/14 09:00	04/08/14 13:29	1
Cobalt	**0.023**	**J**	0.025	0.010	mg/L		04/07/14 09:00	04/08/14 13:29	1
Copper	**0.077**		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 13:29	1
Iron	**8.1**		0.20	0.20	mg/L		04/07/14 09:00	04/08/14 13:29	1
Lead	**0.053**		0.0075	0.0075	mg/L		04/07/14 09:00	04/10/14 14:43	1
Manganese	**0.98**		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 13:29	1
Nickel	**0.038**		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 13:29	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/08/14 01:04	1

Client Sample ID: IC-5(0-4)-040114
Date Collected: 04/01/14 13:05
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-16
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 13:29	1
Zinc	**0.28**		0.10	0.020	mg/L		04/07/14 09:00	04/08/14 13:29	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.47	mg/Kg	☼	04/02/14 15:30	04/04/14 02:48	1
Arsenic	**7.0**		0.58	0.12	mg/Kg	☼	04/02/14 15:30	04/04/14 02:48	1
Barium	**120**		0.58	0.062	mg/Kg	☼	04/02/14 15:30	04/04/14 02:48	1
Beryllium	**0.62**		0.23	0.047	mg/Kg	☼	04/02/14 15:30	04/04/14 02:48	1
Cadmium	**0.64**		0.12	0.015	mg/Kg	☼	04/02/14 15:30	04/04/14 02:48	1
Calcium	**31000**	**B**	12	3.2	mg/Kg	☼	04/02/14 15:30	04/04/14 02:48	1
Chromium	**19**		0.58	0.068	mg/Kg	☼	04/02/14 15:30	04/04/14 02:48	1
Cobalt	**8.1**		0.29	0.058	mg/Kg	☼	04/02/14 15:30	04/04/14 02:48	1
Copper	**26**		0.58	0.12	mg/Kg	☼	04/02/14 15:30	04/04/14 02:48	1
Iron	**20000**		12	4.8	mg/Kg	☼	04/02/14 15:30	04/04/14 02:48	1
Lead	**12**	**B**	0.29	0.087	mg/Kg	☼	04/02/14 15:30	04/04/14 02:48	1
Magnesium	**17000**	**B**	5.8	1.2	mg/Kg	☼	04/02/14 15:30	04/04/14 02:48	1
Manganese	**270**		0.58	0.12	mg/Kg	☼	04/02/14 15:30	04/04/14 02:48	1
Nickel	**26**	**^**	0.58	0.12	mg/Kg	☼	04/02/14 15:30	04/04/14 02:48	1
Potassium	**3000**		29	1.8	mg/Kg	☼	04/02/14 15:30	04/04/14 02:48	1
Selenium	<0.58		0.58	0.21	mg/Kg	☼	04/02/14 15:30	04/04/14 02:48	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	04/02/14 15:30	04/04/14 02:48	1
Sodium	**2700**		58	7.8	mg/Kg	☼	04/02/14 15:30	04/04/14 02:48	1
Thallium	<0.58		0.58	0.25	mg/Kg	☼	04/02/14 15:30	04/04/14 02:48	1
Vanadium	**25**		0.29	0.043	mg/Kg	☼	04/02/14 15:30	04/04/14 02:48	1
Zinc	**44**		1.2	0.24	mg/Kg	☼	04/02/14 15:30	04/04/14 02:48	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.042**	**J B**	0.20	0.020	ug/L		04/04/14 15:00	04/07/14 14:12	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.28**		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 10:56	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**30**		19	7.4	ug/Kg	☼	04/02/14 14:30	04/03/14 09:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.49**		0.200	0.200	SU			04/06/14 13:45	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: IC-5(4-8)-040114
Date Collected: 04/01/14 13:10
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-17
Matrix: Solid
Percent Solids: 82.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	6.5		6.1	2.6	ug/Kg	☼		04/02/14 18:56	1
Benzene	<6.1		6.1	0.83	ug/Kg	☼		04/02/14 18:56	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		04/02/14 18:56	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		04/02/14 18:56	1
Bromomethane	<6.1		6.1	1.8	ug/Kg	☼		04/02/14 18:56	1
Carbon disulfide	<6.1		6.1	0.91	ug/Kg	☼		04/02/14 18:56	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		04/02/14 18:56	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		04/02/14 18:56	1
Chloroethane	<6.1	*	6.1	1.7	ug/Kg	☼		04/02/14 18:56	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		04/02/14 18:56	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		04/02/14 18:56	1
cis-1,2-Dichloroethene	<6.1		6.1	0.86	ug/Kg	☼		04/02/14 18:56	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		04/02/14 18:56	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		04/02/14 18:56	1
1,1-Dichloroethane	<6.1		6.1	0.96	ug/Kg	☼		04/02/14 18:56	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		04/02/14 18:56	1
1,1-Dichloroethene	<6.1		6.1	0.98	ug/Kg	☼		04/02/14 18:56	1
1,2-Dichloropropane	<6.1		6.1	0.92	ug/Kg	☼		04/02/14 18:56	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		04/02/14 18:56	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		04/02/14 18:56	1
2-Hexanone	<6.1		6.1	1.7	ug/Kg	☼		04/02/14 18:56	1
Methylene Chloride	<6.1		6.1	1.6	ug/Kg	☼		04/02/14 18:56	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		04/02/14 18:56	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		04/02/14 18:56	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		04/02/14 18:56	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		04/02/14 18:56	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		04/02/14 18:56	1
Tetrachloroethene	<6.1		6.1	0.93	ug/Kg	☼		04/02/14 18:56	1
Toluene	<6.1		6.1	0.85	ug/Kg	☼		04/02/14 18:56	1
trans-1,2-Dichloroethene	<6.1		6.1	0.84	ug/Kg	☼		04/02/14 18:56	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		04/02/14 18:56	1
1,1,1-Trichloroethane	<6.1		6.1	0.91	ug/Kg	☼		04/02/14 18:56	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		04/02/14 18:56	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		04/02/14 18:56	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		04/02/14 18:56	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		04/02/14 18:56	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 122*		*04/02/14 18:56*	*1*
Dibromofluoromethane	*105*		*75 - 120*		*04/02/14 18:56*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 134*		*04/02/14 18:56*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*04/02/14 18:56*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: IC-5(4-8)-040114
Date Collected: 04/01/14 13:10
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-17
Matrix: Solid
Percent Solids: 82.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	91	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
2-Methylnaphthalene	<39		39	7.3	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
2-Methylphenol	<200		200	64	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
2-Nitrophenol	<390		390	94	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
4-Chloro-3-methylphenol	<390		390	140	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Anthracene	<39		39	6.6	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Benzo[a]pyrene	<39		39	7.7	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Benzo[b]fluoranthene	<39		39	8.6	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Carbazole	<200		200	100	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Chrysene	<39		39	11	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Dibenz(a,h)anthracene	<39		39	7.7	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Dibenzofuran	<200		200	47	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Fluoranthene	<39		39	7.4	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Fluorene	<39		39	5.6	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Hexachloroethane	<200		200	60	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: IC-5(4-8)-040114
Date Collected: 04/01/14 13:10
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-17
Matrix: Solid
Percent Solids: 82.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Isophorone	<200		200	45	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Naphthalene	<39		39	6.1	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Phenanthrene	<39		39	5.5	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Phenol	<200		200	88	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1
Pyrene	<39		39	7.9	ug/Kg	☼	04/03/14 07:22	04/07/14 20:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*51*		*35 - 137*	*04/03/14 07:22*	*04/07/14 20:05*	*1*
2-Fluorobiphenyl	*39*		*25 - 119*	*04/03/14 07:22*	*04/07/14 20:05*	*1*
2-Fluorophenol	*45*		*25 - 110*	*04/03/14 07:22*	*04/07/14 20:05*	*1*
Nitrobenzene-d5	*39*		*25 - 115*	*04/03/14 07:22*	*04/07/14 20:05*	*1*
Phenol-d5	*49*		*31 - 110*	*04/03/14 07:22*	*04/07/14 20:05*	*1*
Terphenyl-d14	*55*		*36 - 134*	*04/03/14 07:22*	*04/07/14 20:05*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 19:08	1
Barium	**0.55**		0.50	0.050	mg/L		04/04/14 10:15	04/04/14 19:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/14 10:15	04/04/14 19:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/14 10:15	04/04/14 19:08	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 19:08	1
Cobalt	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 19:08	1
Copper	**0.012**	**J**	0.025	0.010	mg/L		04/04/14 10:15	04/04/14 19:08	1
Iron	<0.20		0.20	0.20	mg/L		04/04/14 10:15	04/04/14 19:08	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/04/14 10:15	04/04/14 19:08	1
Manganese	**2.3**		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 19:08	1
Nickel	**0.014**	**J**	0.025	0.010	mg/L		04/04/14 10:15	04/04/14 19:08	1
Selenium	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 19:08	1
Silver	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 19:08	1
Zinc	**0.10**		0.10	0.020	mg/L		04/04/14 10:15	04/04/14 19:08	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/08/14 13:41	1
Barium	**0.16**	**J**	0.50	0.050	mg/L		04/07/14 09:00	04/08/14 01:10	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:00	04/08/14 13:41	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:00	04/08/14 01:10	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 13:41	1
Cobalt	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 13:41	1
Copper	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 13:41	1
Iron	<0.20		0.20	0.20	mg/L		04/07/14 09:00	04/08/14 13:41	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/07/14 09:00	04/08/14 13:41	1
Manganese	**0.052**		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 13:41	1
Nickel	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 13:41	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/08/14 01:10	1

Client Sample ID: IC-5(4-8)-040114
Date Collected: 04/01/14 13:10
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-17
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 13:41	1
Zinc	**0.12**		0.10	0.020	mg/L		04/07/14 09:00	04/08/14 13:41	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.51**	**J**	1.2	0.48	mg/Kg	☼	04/02/14 15:30	04/04/14 02:54	1
Arsenic	**8.6**		0.60	0.12	mg/Kg	☼	04/02/14 15:30	04/04/14 02:54	1
Barium	**47**		0.60	0.064	mg/Kg	☼	04/02/14 15:30	04/04/14 02:54	1
Beryllium	**0.66**		0.24	0.048	mg/Kg	☼	04/02/14 15:30	04/04/14 02:54	1
Cadmium	**0.96**		0.12	0.015	mg/Kg	☼	04/02/14 15:30	04/04/14 02:54	1
Calcium	**47000**	**B**	12	3.2	mg/Kg	☼	04/02/14 15:30	04/04/14 02:54	1
Chromium	**19**		0.60	0.069	mg/Kg	☼	04/02/14 15:30	04/04/14 02:54	1
Cobalt	**10**		0.30	0.060	mg/Kg	☼	04/02/14 15:30	04/04/14 02:54	1
Copper	**35**		0.60	0.12	mg/Kg	☼	04/02/14 15:30	04/04/14 02:54	1
Iron	**23000**		12	4.9	mg/Kg	☼	04/02/14 15:30	04/04/14 02:54	1
Lead	**12**	**B**	0.30	0.089	mg/Kg	☼	04/02/14 15:30	04/04/14 02:54	1
Magnesium	**23000**	**B**	6.0	1.2	mg/Kg	☼	04/02/14 15:30	04/04/14 02:54	1
Manganese	**300**		0.60	0.12	mg/Kg	☼	04/02/14 15:30	04/04/14 02:54	1
Nickel	**31**	**^**	0.60	0.12	mg/Kg	☼	04/02/14 15:30	04/04/14 02:54	1
Potassium	**3800**		30	1.8	mg/Kg	☼	04/02/14 15:30	04/04/14 02:54	1
Selenium	<0.60		0.60	0.21	mg/Kg	☼	04/02/14 15:30	04/04/14 02:54	1
Silver	**0.034**	**J**	0.30	0.022	mg/Kg	☼	04/02/14 15:30	04/04/14 02:54	1
Sodium	**290**		60	8.0	mg/Kg	☼	04/02/14 15:30	04/04/14 02:54	1
Thallium	**0.62**		0.60	0.25	mg/Kg	☼	04/02/14 15:30	04/04/14 02:54	1
Vanadium	**24**		0.30	0.044	mg/Kg	☼	04/02/14 15:30	04/04/14 02:54	1
Zinc	**43**		1.2	0.24	mg/Kg	☼	04/02/14 15:30	04/04/14 02:54	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.043**	**J B**	0.20	0.020	ug/L		04/04/14 15:00	04/07/14 14:14	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 10:58	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**23**		18	7.2	ug/Kg	☼	04/02/14 14:30	04/03/14 09:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.88**		0.200	0.200	SU			04/06/14 13:47	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15 *

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

* Expired certification is currently pending renewal and is considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTA.

2417 Bond Street, University Park, IL 6(
Phone: 708.534.5200 Fax: 708.53

500-74263 COC

Chain of Custody Record

Lab Job #: 500-74263

Chain of Custody Number:

Page 1 of 3

Temperature °C of Cooler: (3.4) (3.7)

(optional)

Report To
Contact: S. Balasubramanian
Company: Weston Solutions Inc.
Address: 750 E Bunker Ct. Ste. 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax: 847-918-4055
E-Mail:

(optional)

Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Client: Weston Solutions Inc.
Client Project #:
Project Name: IDOT 050-IL 171 from 47th Street to 55th St
Project Location/State: McCook/Summit IL
Lab Project #:
Sampler: M. Doheny-Slabic
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	TOTAL METALS	TCLP/SPLP METALS	pH	TOTAL ALUMINUM				Comments
1		ID-3(0-5)-040114	4-1-14	0850	2	S		X	X	X	X	X					
2		ID-3(0-5)-040114D		0850	2	S		X	X	X	X	X					
3		ID-3(5-9)-040114		0900	2	S		X	X	X	X	X					
4		ID-5(0-5)-040114		0920	2	S		X	X	X	X	X					
		ID-5(5-9)-040114			2	S		X	X	X	X	X					MDS
5		IP-1(0-2)-040114		0935	2	S		X	X	X	X	X	X				
6		IP-2(0-4)-040114		0945	2	S		X	X	X	X	X	X				
7		IP-5(0-2)-040114		1000	2	S		X	X	X	X	X	X				
8		ID-3(0-4)-040114		1020	2	S		X	X	X	X	X	X				
9		IP-3(0-4)-040114D	4-1-14	1020	2	S		X	X	X	X	X	X				

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston	4-1-14	1546	[signature]	TA	4/1/14	1545
[signature]	TA	4/1/14	1640	[signature]	TA	4/2/14	0700

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)
Report To
Contact: S. Babusukumar
Company: Weston Solutions Inc.
Address: 750 E Bunker Ct. Ste-500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax: 847-918-4035
E-Mail:

(optional)
Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74263
Chain of Custody Number:
Page 2 of 3
Temperature °C of Cooler:

Client: Weston Solutions Inc.
Client Project #:
Project Name: IDOT 050 - IL 171
Project Location/State: McCook/Summit, IL
Lab Project #:
Sampler: M. Doheny-Skiba
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Parameter: VOCs	SVOCs	TOTAL METALS	TCLP/SPLP METALS	pH	TOTAL Aluminum				Comments
10		IP-4(0-2)-040114	4-1-14	1030	2	S	X	X	X	X	X	X				
11		IP-8(0-2)-040114	4-1-14	1045	2	S	X	X	X	X	X	X				
12		IP-10(0-2)-040114		1105	2	S	X	X	X	X	X	X				
13		EL-1(0-2)-040114		1145	2	S	X	X	X	X	X					
14		EL-7(0-5)-040114		1205	2	S	X	X	X	X	X					
15		EL-7(0-5)-040114D		1205	2	S	X	X	X	X	X					
16		IC-5(0-4)-040114		1205	2	S	X	X	X	X	X					
17		IC5(4-8)-040114		1310	2	S	X	X	X	X	X					
18		IT1-3(0-6)-040114		1330	2	S	X	X	X	X	X					
19		IT1-1(0-3.2)-040114	4-1-14	1345	2	S	X	X	X	X	X					

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston	4-1-14	1546	[signature]	TA	4/1/14	1546
[signature]	TA	4/1/14	1648	[signature]	TA	4/2/14	0700

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TAL-4124-509 (0209)

4/11/2014

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-74417-1
Client Project/Site: IDOT - Lyons, McCook, Summit - 050

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar

Authorized for release by:
4/14/2014 2:13:31 PM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

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Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Client Sample ID: IC-19(0-2)-040314
Date Collected: 04/03/14 09:25
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-3
Matrix: Solid
Percent Solids: 83.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		04/07/14 12:29	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		04/07/14 12:29	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/07/14 12:29	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		04/07/14 12:29	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		04/07/14 12:29	1
Carbon disulfide	<6.0		6.0	0.89	ug/Kg	☼		04/07/14 12:29	1
Carbon tetrachloride	<6.0	*	6.0	1.1	ug/Kg	☼		04/07/14 12:29	1
Chlorobenzene	<6.0		6.0	0.60	ug/Kg	☼		04/07/14 12:29	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		04/07/14 12:29	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		04/07/14 12:29	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		04/07/14 12:29	1
cis-1,2-Dichloroethene	<6.0		6.0	0.84	ug/Kg	☼		04/07/14 12:29	1
cis-1,3-Dichloropropene	<6.0		6.0	0.78	ug/Kg	☼		04/07/14 12:29	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/07/14 12:29	1
1,1-Dichloroethane	<6.0		6.0	0.94	ug/Kg	☼		04/07/14 12:29	1
1,2-Dichloroethane	<6.0		6.0	0.88	ug/Kg	☼		04/07/14 12:29	1
1,1-Dichloroethene	<6.0		6.0	0.96	ug/Kg	☼		04/07/14 12:29	1
1,2-Dichloropropane	<6.0		6.0	0.90	ug/Kg	☼		04/07/14 12:29	1
1,3-Dichloropropene, Total	<6.0		6.0	0.78	ug/Kg	☼		04/07/14 12:29	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		04/07/14 12:29	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		04/07/14 12:29	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		04/07/14 12:29	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		04/07/14 12:29	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		04/07/14 12:29	1
Methyl tert-butyl ether	<6.0		6.0	0.98	ug/Kg	☼		04/07/14 12:29	1
Styrene	<6.0		6.0	0.78	ug/Kg	☼		04/07/14 12:29	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/07/14 12:29	1
Tetrachloroethene	<6.0		6.0	0.91	ug/Kg	☼		04/07/14 12:29	1
Toluene	<6.0		6.0	0.83	ug/Kg	☼		04/07/14 12:29	1
trans-1,2-Dichloroethene	<6.0		6.0	0.82	ug/Kg	☼		04/07/14 12:29	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		04/07/14 12:29	1
1,1,1-Trichloroethane	<6.0	*	6.0	0.89	ug/Kg	☼		04/07/14 12:29	1
1,1,2-Trichloroethane	<6.0		6.0	0.81	ug/Kg	☼		04/07/14 12:29	1
Trichloroethene	<6.0		6.0	0.98	ug/Kg	☼		04/07/14 12:29	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		04/07/14 12:29	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		04/07/14 12:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 122*		*04/07/14 12:29*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*04/07/14 12:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 134*		*04/07/14 12:29*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*04/07/14 12:29*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Client Sample ID: IC-19(0-2)-040314
Date Collected: 04/03/14 09:25
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-3
Matrix: Solid
Percent Solids: 83.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
2,4-Dichlorophenol	<370		370	90	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
2-Methylnaphthalene	**7.6**	**J**	37	6.9	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
2-Methylphenol	<190		190	61	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Acenaphthene	<37		37	6.8	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Acenaphthylene	<37		37	5.0	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Anthracene	<37		37	6.3	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Benzo[a]anthracene	**23**	**J**	37	5.1	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Benzo[a]pyrene	**24**	**J**	37	7.3	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Benzo[b]fluoranthene	**41**		37	8.1	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Benzo[g,h,i]perylene	**39**		37	12	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Benzo[k]fluoranthene	**14**	**J**	37	11	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Carbazole	<190		190	97	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Chrysene	**35**	**J**	37	10	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Dibenz(a,h)anthracene	<37		37	7.3	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Dibenzofuran	<190		190	44	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Fluoranthene	**45**		37	7.0	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Fluorene	<37		37	5.3	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Hexachloroethane	<190		190	57	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Client Sample ID: IC-19(0-2)-040314
Date Collected: 04/03/14 09:25
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-3
Matrix: Solid
Percent Solids: 83.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	21	J	37	9.8	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Isophorone	<190		190	42	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Naphthalene	<37		37	5.8	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Phenanthrene	26	J	37	5.3	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Phenol	<190		190	84	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1
Pyrene	40		37	7.5	ug/Kg	☼	04/07/14 06:58	04/07/14 22:35	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*82*		*35 - 137*	*04/07/14 06:58*	*04/07/14 22:35*	*1*
2-Fluorobiphenyl	*63*		*25 - 119*	*04/07/14 06:58*	*04/07/14 22:35*	*1*
2-Fluorophenol	*67*		*25 - 110*	*04/07/14 06:58*	*04/07/14 22:35*	*1*
Nitrobenzene-d5	*62*		*25 - 115*	*04/07/14 06:58*	*04/07/14 22:35*	*1*
Phenol-d5	*69*		*31 - 110*	*04/07/14 06:58*	*04/07/14 22:35*	*1*
Terphenyl-d14	*69*		*36 - 134*	*04/07/14 06:58*	*04/07/14 22:35*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/11/14 08:30	04/11/14 17:47	1
Barium	0.57		0.50	0.050	mg/L		04/11/14 08:30	04/11/14 17:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/11/14 08:30	04/11/14 17:47	1
Cadmium	0.0053		0.0050	0.0020	mg/L		04/11/14 08:30	04/11/14 17:47	1
Chromium	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 17:47	1
Cobalt	0.056		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 17:47	1
Copper	0.017	J	0.025	0.010	mg/L		04/11/14 08:30	04/11/14 17:47	1
Iron	<0.20		0.20	0.20	mg/L		04/11/14 08:30	04/11/14 17:47	1
Lead	0.085		0.0075	0.0075	mg/L		04/11/14 08:30	04/11/14 17:47	1
Manganese	4.3		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 17:47	1
Nickel	0.065		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 17:47	1
Selenium	<0.050		0.050	0.010	mg/L		04/11/14 08:30	04/11/14 17:47	1
Silver	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 17:47	1
Zinc	0.15		0.10	0.020	mg/L		04/11/14 08:30	04/11/14 17:47	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.054		0.050	0.010	mg/L		04/11/14 08:30	04/12/14 01:41	1
Barium	0.57		0.50	0.050	mg/L		04/11/14 08:30	04/12/14 01:41	1
Beryllium	0.0052		0.0040	0.0040	mg/L		04/11/14 08:30	04/12/14 01:41	1
Cadmium	0.0028	J	0.0050	0.0020	mg/L		04/11/14 08:30	04/12/14 01:41	1
Chromium	0.13		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 01:41	1
Cobalt	0.044		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 01:41	1
Copper	0.21		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 01:41	1
Iron	120		0.20	0.20	mg/L		04/11/14 08:30	04/12/14 01:41	1
Lead	0.14		0.0075	0.0075	mg/L		04/11/14 08:30	04/12/14 01:41	1
Manganese	0.73		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 01:41	1
Nickel	0.15		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 01:41	1
Selenium	<0.050		0.050	0.010	mg/L		04/11/14 08:30	04/12/14 01:41	1

Client Sample ID: IC-19(0-2)-040314
Date Collected: 04/03/14 09:25
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-3
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 01:41	1
Zinc	**0.42**		0.10	0.020	mg/L		04/11/14 08:30	04/12/14 01:41	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.47	mg/Kg	☼	04/08/14 16:00	04/09/14 22:43	1
Arsenic	**8.8**		0.58	0.12	mg/Kg	☼	04/08/14 16:00	04/09/14 22:43	1
Barium	**61**		0.58	0.062	mg/Kg	☼	04/08/14 16:00	04/09/14 22:43	1
Beryllium	**0.65**		0.23	0.046	mg/Kg	☼	04/08/14 16:00	04/09/14 22:43	1
Cadmium	**1.0**		0.12	0.015	mg/Kg	☼	04/08/14 16:00	04/09/14 22:43	1
Calcium	**43000**		12	3.1	mg/Kg	☼	04/08/14 16:00	04/09/14 22:43	1
Chromium	**20**		0.58	0.067	mg/Kg	☼	04/08/14 16:00	04/09/14 22:43	1
Cobalt	**13**		0.29	0.058	mg/Kg	☼	04/08/14 16:00	04/09/14 22:43	1
Copper	**35**		0.58	0.12	mg/Kg	☼	04/08/14 16:00	04/09/14 22:43	1
Iron	**22000**		12	4.8	mg/Kg	☼	04/08/14 16:00	04/09/14 22:43	1
Lead	**31**		0.29	0.086	mg/Kg	☼	04/08/14 16:00	04/09/14 22:43	1
Magnesium	**22000**		5.8	1.2	mg/Kg	☼	04/08/14 16:00	04/09/14 22:43	1
Manganese	**450**		0.58	0.12	mg/Kg	☼	04/08/14 16:00	04/09/14 22:43	1
Nickel	**30**		0.58	0.12	mg/Kg	☼	04/08/14 16:00	04/09/14 22:43	1
Potassium	**3500**		29	1.7	mg/Kg	☼	04/08/14 16:00	04/09/14 22:43	1
Selenium	<0.58		0.58	0.21	mg/Kg	☼	04/08/14 16:00	04/09/14 22:43	1
Silver	**0.049**	**J**	0.29	0.021	mg/Kg	☼	04/08/14 16:00	04/09/14 22:43	1
Sodium	**1400**		58	7.8	mg/Kg	☼	04/08/14 16:00	04/09/14 22:43	1
Thallium	**0.37**	**J**	0.58	0.24	mg/Kg	☼	04/08/14 16:00	04/09/14 22:43	1
Vanadium	**24**		0.29	0.043	mg/Kg	☼	04/08/14 16:00	04/09/14 22:43	1
Zinc	**61**		1.2	0.23	mg/Kg	☼	04/08/14 16:00	04/09/14 22:43	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.10	ug/L		04/11/14 15:10	04/14/14 10:43	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.18**	**J**	0.20	0.10	ug/L		04/11/14 15:10	04/14/14 11:26	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**32**		18	7.0	ug/Kg	☼	04/07/14 15:19	04/08/14 10:41	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.77**		0.200	0.200	SU			04/07/14 14:52	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Client Sample ID: IC-8(0-2)-040314
Date Collected: 04/03/14 09:39
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-4
Matrix: Solid
Percent Solids: 83.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		04/07/14 12:52	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		04/07/14 12:52	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/07/14 12:52	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		04/07/14 12:52	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		04/07/14 12:52	1
Carbon disulfide	<6.0		6.0	0.89	ug/Kg	☼		04/07/14 12:52	1
Carbon tetrachloride	<6.0	*	6.0	1.1	ug/Kg	☼		04/07/14 12:52	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		04/07/14 12:52	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		04/07/14 12:52	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		04/07/14 12:52	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		04/07/14 12:52	1
cis-1,2-Dichloroethene	<6.0		6.0	0.84	ug/Kg	☼		04/07/14 12:52	1
cis-1,3-Dichloropropene	<6.0		6.0	0.78	ug/Kg	☼		04/07/14 12:52	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/07/14 12:52	1
1,1-Dichloroethane	<6.0		6.0	0.94	ug/Kg	☼		04/07/14 12:52	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/07/14 12:52	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		04/07/14 12:52	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		04/07/14 12:52	1
1,3-Dichloropropene, Total	<6.0		6.0	0.78	ug/Kg	☼		04/07/14 12:52	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		04/07/14 12:52	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		04/07/14 12:52	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		04/07/14 12:52	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		04/07/14 12:52	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		04/07/14 12:52	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		04/07/14 12:52	1
Styrene	<6.0		6.0	0.78	ug/Kg	☼		04/07/14 12:52	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/07/14 12:52	1
Tetrachloroethene	<6.0		6.0	0.91	ug/Kg	☼		04/07/14 12:52	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		04/07/14 12:52	1
trans-1,2-Dichloroethene	<6.0		6.0	0.82	ug/Kg	☼		04/07/14 12:52	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		04/07/14 12:52	1
1,1,1-Trichloroethane	<6.0	*	6.0	0.89	ug/Kg	☼		04/07/14 12:52	1
1,1,2-Trichloroethane	<6.0		6.0	0.81	ug/Kg	☼		04/07/14 12:52	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		04/07/14 12:52	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		04/07/14 12:52	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		04/07/14 12:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*110*		*70 - 122*		*04/07/14 12:52*	*1*
Dibromofluoromethane	*117*		*75 - 120*		*04/07/14 12:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*92*		*70 - 134*		*04/07/14 12:52*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*04/07/14 12:52*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Client Sample ID: IC-8(0-2)-040314
Date Collected: 04/03/14 09:39
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-4
Matrix: Solid
Percent Solids: 83.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
2-Methylnaphthalene	**8.6**	**J**	38	7.0	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
2-Methylphenol	<190		190	61	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Anthracene	<38		38	6.4	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Benzo[a]anthracene	<38		38	5.1	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Benzo[b]fluoranthene	**14**	**J**	38	8.2	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Benzo[g,h,i]perylene	**23**	**J**	38	12	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Carbazole	<190		190	98	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Chrysene	**23**	**J**	38	10	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Dibenzofuran	<190		190	45	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Fluoranthene	**15**	**J**	38	7.1	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Fluorene	<38		38	5.4	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Hexachloroethane	<190		190	58	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Client Sample ID: IC-8(0-2)-040314
Date Collected: 04/03/14 09:39
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-4
Matrix: Solid
Percent Solids: 83.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	9.9	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Isophorone	<190		190	43	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Naphthalene	<38		38	5.9	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Phenanthrene	**29**	**J**	38	5.3	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Phenol	<190		190	85	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1
Pyrene	**20**	**J**	38	7.6	ug/Kg	☼	04/07/14 06:58	04/07/14 23:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*89*		*35 - 137*	*04/07/14 06:58*	*04/07/14 23:00*	*1*
2-Fluorobiphenyl	*70*		*25 - 119*	*04/07/14 06:58*	*04/07/14 23:00*	*1*
2-Fluorophenol	*75*		*25 - 110*	*04/07/14 06:58*	*04/07/14 23:00*	*1*
Nitrobenzene-d5	*72*		*25 - 115*	*04/07/14 06:58*	*04/07/14 23:00*	*1*
Phenol-d5	*77*		*31 - 110*	*04/07/14 06:58*	*04/07/14 23:00*	*1*
Terphenyl-d14	*73*		*36 - 134*	*04/07/14 06:58*	*04/07/14 23:00*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/11/14 08:30	04/11/14 17:53	1
Barium	**0.77**		0.50	0.050	mg/L		04/11/14 08:30	04/11/14 17:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/11/14 08:30	04/11/14 17:53	1
Cadmium	**0.0020**	**J**	0.0050	0.0020	mg/L		04/11/14 08:30	04/11/14 17:53	1
Chromium	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 17:53	1
Cobalt	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 17:53	1
Copper	**0.035**		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 17:53	1
Iron	<0.20		0.20	0.20	mg/L		04/11/14 08:30	04/11/14 17:53	1
Lead	**0.0099**		0.0075	0.0075	mg/L		04/11/14 08:30	04/11/14 17:53	1
Manganese	**1.4**		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 17:53	1
Nickel	**0.018**	**J**	0.025	0.010	mg/L		04/11/14 08:30	04/11/14 17:53	1
Selenium	<0.050		0.050	0.010	mg/L		04/11/14 08:30	04/11/14 17:53	1
Silver	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 17:53	1
Zinc	**0.048**	**J**	0.10	0.020	mg/L		04/11/14 08:30	04/11/14 17:53	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.030**	**J**	0.050	0.010	mg/L		04/11/14 08:30	04/12/14 01:47	1
Barium	**0.48**	**J**	0.50	0.050	mg/L		04/11/14 08:30	04/12/14 01:47	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/11/14 08:30	04/12/14 01:47	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/11/14 08:30	04/12/14 01:47	1
Chromium	**0.091**		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 01:47	1
Cobalt	**0.033**		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 01:47	1
Copper	**0.11**		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 01:47	1
Iron	**71**		0.20	0.20	mg/L		04/11/14 08:30	04/12/14 01:47	1
Lead	**0.043**		0.0075	0.0075	mg/L		04/11/14 08:30	04/12/14 01:47	1
Manganese	**0.62**		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 01:47	1
Nickel	**0.10**		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 01:47	1
Selenium	<0.050		0.050	0.010	mg/L		04/11/14 08:30	04/12/14 01:47	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Client Sample ID: IC-8(0-2)-040314
Date Collected: 04/03/14 09:39
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-4
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 01:47	1
Zinc	**0.25**		0.10	0.020	mg/L		04/11/14 08:30	04/12/14 01:47	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.47	mg/Kg	☼	04/08/14 16:00	04/09/14 23:04	1
Arsenic	**6.4**		0.59	0.12	mg/Kg	☼	04/08/14 16:00	04/09/14 23:04	1
Barium	**63**		0.59	0.063	mg/Kg	☼	04/08/14 16:00	04/09/14 23:04	1
Beryllium	**0.53**		0.23	0.047	mg/Kg	☼	04/08/14 16:00	04/09/14 23:04	1
Cadmium	**0.80**		0.12	0.015	mg/Kg	☼	04/08/14 16:00	04/09/14 23:04	1
Calcium	**50000**		12	3.2	mg/Kg	☼	04/08/14 16:00	04/09/14 23:04	1
Chromium	**17**		0.59	0.068	mg/Kg	☼	04/08/14 16:00	04/09/14 23:04	1
Cobalt	**9.2**		0.29	0.059	mg/Kg	☼	04/08/14 16:00	04/09/14 23:04	1
Copper	**23**		0.59	0.12	mg/Kg	☼	04/08/14 16:00	04/09/14 23:04	1
Iron	**18000**		12	4.8	mg/Kg	☼	04/08/14 16:00	04/09/14 23:04	1
Lead	**14**		0.29	0.087	mg/Kg	☼	04/08/14 16:00	04/09/14 23:04	1
Magnesium	**24000**		5.9	1.2	mg/Kg	☼	04/08/14 16:00	04/09/14 23:04	1
Manganese	**340**		0.59	0.12	mg/Kg	☼	04/08/14 16:00	04/09/14 23:04	1
Nickel	**24**		0.59	0.12	mg/Kg	☼	04/08/14 16:00	04/09/14 23:04	1
Potassium	**3000**		29	1.8	mg/Kg	☼	04/08/14 16:00	04/09/14 23:04	1
Selenium	<0.59		0.59	0.21	mg/Kg	☼	04/08/14 16:00	04/09/14 23:04	1
Silver	**0.077**	**J**	0.29	0.021	mg/Kg	☼	04/08/14 16:00	04/09/14 23:04	1
Sodium	**770**		59	7.9	mg/Kg	☼	04/08/14 16:00	04/09/14 23:04	1
Thallium	**0.33**	**J**	0.59	0.25	mg/Kg	☼	04/08/14 16:00	04/09/14 23:04	1
Vanadium	**19**		0.29	0.043	mg/Kg	☼	04/08/14 16:00	04/09/14 23:04	1
Zinc	**44**		1.2	0.24	mg/Kg	☼	04/08/14 16:00	04/09/14 23:04	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.10	ug/L		04/11/14 15:10	04/14/14 10:45	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.15**	**J**	0.20	0.10	ug/L		04/11/14 15:10	04/14/14 11:28	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**32**		19	7.3	ug/Kg	☼	04/07/14 15:19	04/08/14 10:43	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.35**		0.200	0.200	SU			04/07/14 14:55	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Client Sample ID: IC-18(0-2)-040314
Date Collected: 04/03/14 09:55
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-5
Matrix: Solid
Percent Solids: 80.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.2		6.2	2.7	ug/Kg	☼		04/07/14 13:15	1
Benzene	<6.2		6.2	0.85	ug/Kg	☼		04/07/14 13:15	1
Bromodichloromethane	<6.2		6.2	1.1	ug/Kg	☼		04/07/14 13:15	1
Bromoform	<6.2		6.2	1.4	ug/Kg	☼		04/07/14 13:15	1
Bromomethane	<6.2		6.2	1.9	ug/Kg	☼		04/07/14 13:15	1
Carbon disulfide	<6.2		6.2	0.93	ug/Kg	☼		04/07/14 13:15	1
Carbon tetrachloride	<6.2	*	6.2	1.1	ug/Kg	☼		04/07/14 13:15	1
Chlorobenzene	<6.2		6.2	0.63	ug/Kg	☼		04/07/14 13:15	1
Chloroethane	<6.2		6.2	1.7	ug/Kg	☼		04/07/14 13:15	1
Chloroform	<6.2		6.2	0.71	ug/Kg	☼		04/07/14 13:15	1
Chloromethane	<6.2		6.2	1.3	ug/Kg	☼		04/07/14 13:15	1
cis-1,2-Dichloroethene	<6.2		6.2	0.88	ug/Kg	☼		04/07/14 13:15	1
cis-1,3-Dichloropropene	<6.2		6.2	0.81	ug/Kg	☼		04/07/14 13:15	1
Dibromochloromethane	<6.2		6.2	1.1	ug/Kg	☼		04/07/14 13:15	1
1,1-Dichloroethane	<6.2		6.2	0.98	ug/Kg	☼		04/07/14 13:15	1
1,2-Dichloroethane	<6.2		6.2	0.92	ug/Kg	☼		04/07/14 13:15	1
1,1-Dichloroethene	<6.2		6.2	1.0	ug/Kg	☼		04/07/14 13:15	1
1,2-Dichloropropane	<6.2		6.2	0.94	ug/Kg	☼		04/07/14 13:15	1
1,3-Dichloropropene, Total	<6.2		6.2	0.81	ug/Kg	☼		04/07/14 13:15	1
Ethylbenzene	<6.2		6.2	1.3	ug/Kg	☼		04/07/14 13:15	1
2-Hexanone	<6.2		6.2	1.8	ug/Kg	☼		04/07/14 13:15	1
Methylene Chloride	<6.2		6.2	1.7	ug/Kg	☼		04/07/14 13:15	1
Methyl Ethyl Ketone	<6.2		6.2	2.2	ug/Kg	☼		04/07/14 13:15	1
methyl isobutyl ketone	<6.2		6.2	1.6	ug/Kg	☼		04/07/14 13:15	1
Methyl tert-butyl ether	<6.2		6.2	1.0	ug/Kg	☼		04/07/14 13:15	1
Styrene	<6.2		6.2	0.81	ug/Kg	☼		04/07/14 13:15	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	1.3	ug/Kg	☼		04/07/14 13:15	1
Tetrachloroethene	<6.2		6.2	0.95	ug/Kg	☼		04/07/14 13:15	1
Toluene	<6.2		6.2	0.87	ug/Kg	☼		04/07/14 13:15	1
trans-1,2-Dichloroethene	<6.2		6.2	0.85	ug/Kg	☼		04/07/14 13:15	1
trans-1,3-Dichloropropene	<6.2		6.2	1.1	ug/Kg	☼		04/07/14 13:15	1
1,1,1-Trichloroethane	<6.2	*	6.2	0.93	ug/Kg	☼		04/07/14 13:15	1
1,1,2-Trichloroethane	<6.2		6.2	0.85	ug/Kg	☼		04/07/14 13:15	1
Trichloroethene	<6.2		6.2	1.0	ug/Kg	☼		04/07/14 13:15	1
Vinyl chloride	<6.2		6.2	1.3	ug/Kg	☼		04/07/14 13:15	1
Xylenes, Total	<12		12	0.56	ug/Kg	☼		04/07/14 13:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 122*		*04/07/14 13:15*	*1*
Dibromofluoromethane	*108*		*75 - 120*		*04/07/14 13:15*	*1*
1,2-Dichloroethane-d4 (Surr)	*93*		*70 - 134*		*04/07/14 13:15*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*04/07/14 13:15*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
1,2-Dichlorobenzene	<200		200	46	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Client Sample ID: IC-18(0-2)-040314
Date Collected: 04/03/14 09:55
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-5
Matrix: Solid
Percent Solids: 80.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
2,4-Dichlorophenol	<390		390	92	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
2,6-Dinitrotoluene	<200		200	76	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
2-Chlorophenol	<200		200	66	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
2-Methylnaphthalene	**7.1**	**J**	39	7.1	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
2-Methylphenol	<200		200	62	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
2-Nitroaniline	<200		200	52	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
3,3'-Dichlorobenzidine	<200		200	54	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
4,6-Dinitro-2-methylphenol	<390		390	310	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
4-Chlorophenyl phenyl ether	<200		200	45	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Acenaphthylene	<39		39	5.1	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Anthracene	<39		39	6.5	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Benzo[a]anthracene	**48**		39	5.2	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Benzo[a]pyrene	**53**		39	7.5	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Benzo[b]fluoranthene	**81**		39	8.4	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Benzo[g,h,i]perylene	**56**		39	12	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Benzo[k]fluoranthene	**31**	**J**	39	11	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Carbazole	<200		200	100	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Chrysene	**69**		39	11	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Dibenz(a,h)anthracene	**12**	**J**	39	7.5	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Dibenzofuran	<200		200	45	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Di-n-octyl phthalate	<200		200	63	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Fluoranthene	**120**		39	7.2	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Fluorene	<39		39	5.5	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Hexachloroethane	<200		200	59	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Client Sample ID: IC-18(0-2)-040314
Date Collected: 04/03/14 09:55
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-5
Matrix: Solid
Percent Solids: 80.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	38	J	39	10	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Isophorone	<200		200	44	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Naphthalene	<39		39	6.0	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
N-Nitrosodi-n-propylamine	<200		200	47	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Phenanthrene	55		39	5.4	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Phenol	<200		200	86	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1
Pyrene	95		39	7.7	ug/Kg	☼	04/07/14 06:58	04/07/14 23:25	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*81*		*35 - 137*	*04/07/14 06:58*	*04/07/14 23:25*	*1*
2-Fluorobiphenyl	*71*		*25 - 119*	*04/07/14 06:58*	*04/07/14 23:25*	*1*
2-Fluorophenol	*76*		*25 - 110*	*04/07/14 06:58*	*04/07/14 23:25*	*1*
Nitrobenzene-d5	*72*		*25 - 115*	*04/07/14 06:58*	*04/07/14 23:25*	*1*
Phenol-d5	*79*		*31 - 110*	*04/07/14 06:58*	*04/07/14 23:25*	*1*
Terphenyl-d14	*74*		*36 - 134*	*04/07/14 06:58*	*04/07/14 23:25*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/11/14 08:30	04/11/14 17:58	1
Barium	0.46	J	0.50	0.050	mg/L		04/11/14 08:30	04/11/14 17:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/11/14 08:30	04/11/14 17:58	1
Cadmium	0.0030	J	0.0050	0.0020	mg/L		04/11/14 08:30	04/11/14 17:58	1
Chromium	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 17:58	1
Cobalt	0.042		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 17:58	1
Copper	0.012	J	0.025	0.010	mg/L		04/11/14 08:30	04/11/14 17:58	1
Iron	<0.20		0.20	0.20	mg/L		04/11/14 08:30	04/11/14 17:58	1
Lead	0.025		0.0075	0.0075	mg/L		04/11/14 08:30	04/11/14 17:58	1
Manganese	3.7		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 17:58	1
Nickel	0.041		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 17:58	1
Selenium	<0.050		0.050	0.010	mg/L		04/11/14 08:30	04/11/14 17:58	1
Silver	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 17:58	1
Zinc	0.043	J	0.10	0.020	mg/L		04/11/14 08:30	04/11/14 17:58	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.057		0.050	0.010	mg/L		04/11/14 08:30	04/12/14 01:53	1
Barium	0.61		0.50	0.050	mg/L		04/11/14 08:30	04/12/14 01:53	1
Beryllium	0.0053		0.0040	0.0040	mg/L		04/11/14 08:30	04/12/14 01:53	1
Cadmium	0.0027	J	0.0050	0.0020	mg/L		04/11/14 08:30	04/12/14 01:53	1
Chromium	0.15		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 01:53	1
Cobalt	0.050		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 01:53	1
Copper	0.20		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 01:53	1
Iron	130		0.20	0.20	mg/L		04/11/14 08:30	04/12/14 01:53	1
Lead	0.10		0.0075	0.0075	mg/L		04/11/14 08:30	04/12/14 01:53	1
Manganese	0.87		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 01:53	1
Nickel	0.16		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 01:53	1
Selenium	<0.050		0.050	0.010	mg/L		04/11/14 08:30	04/12/14 01:53	1

Client Sample ID: IC-18(0-2)-040314
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Lab Sample ID: 500-74417-5
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 01:53	1
Zinc	**0.46**		0.10	0.020	mg/L		04/11/14 08:30	04/12/14 01:53	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.49	mg/Kg	☼	04/08/14 16:00	04/09/14 23:10	1
Arsenic	**7.2**		0.61	0.12	mg/Kg	☼	04/08/14 16:00	04/09/14 23:10	1
Barium	**58**		0.61	0.065	mg/Kg	☼	04/08/14 16:00	04/09/14 23:10	1
Beryllium	**0.59**		0.24	0.049	mg/Kg	☼	04/08/14 16:00	04/09/14 23:10	1
Cadmium	**0.96**		0.12	0.015	mg/Kg	☼	04/08/14 16:00	04/09/14 23:10	1
Calcium	**43000**		12	3.3	mg/Kg	☼	04/08/14 16:00	04/09/14 23:10	1
Chromium	**20**		0.61	0.071	mg/Kg	☼	04/08/14 16:00	04/09/14 23:10	1
Cobalt	**9.9**		0.30	0.061	mg/Kg	☼	04/08/14 16:00	04/09/14 23:10	1
Copper	**30**		0.61	0.12	mg/Kg	☼	04/08/14 16:00	04/09/14 23:10	1
Iron	**20000**		12	5.0	mg/Kg	☼	04/08/14 16:00	04/09/14 23:10	1
Lead	**23**		0.30	0.091	mg/Kg	☼	04/08/14 16:00	04/09/14 23:10	1
Magnesium	**22000**		6.1	1.3	mg/Kg	☼	04/08/14 16:00	04/09/14 23:10	1
Manganese	**340**		0.61	0.12	mg/Kg	☼	04/08/14 16:00	04/09/14 23:10	1
Nickel	**26**		0.61	0.12	mg/Kg	☼	04/08/14 16:00	04/09/14 23:10	1
Potassium	**3200**		30	1.8	mg/Kg	☼	04/08/14 16:00	04/09/14 23:10	1
Selenium	<0.61		0.61	0.22	mg/Kg	☼	04/08/14 16:00	04/09/14 23:10	1
Silver	**0.12**	**J**	0.30	0.022	mg/Kg	☼	04/08/14 16:00	04/09/14 23:10	1
Sodium	**2200**		61	8.2	mg/Kg	☼	04/08/14 16:00	04/09/14 23:10	1
Thallium	**0.49**	**J**	0.61	0.26	mg/Kg	☼	04/08/14 16:00	04/09/14 23:10	1
Vanadium	**22**		0.30	0.045	mg/Kg	☼	04/08/14 16:00	04/09/14 23:10	1
Zinc	**65**		1.2	0.25	mg/Kg	☼	04/08/14 16:00	04/09/14 23:10	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.10	ug/L		04/11/14 15:10	04/14/14 10:47	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.36**		0.20	0.10	ug/L		04/11/14 15:10	04/14/14 11:30	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**58**		18	7.1	ug/Kg	☼	04/07/14 15:19	04/08/14 10:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.71**		0.200	0.200	SU			04/07/14 14:57	1

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TestAmerica Job ID: 500-74417-1

Client Sample ID: IC-9(0-2)-040314
Date Collected: 04/03/14 10:15
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-6
Matrix: Solid
Percent Solids: 81.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.1		6.1	2.6	ug/Kg	☼		04/04/14 19:07	1
Benzene	<6.1		6.1	0.84	ug/Kg	☼		04/04/14 19:07	1
Bromodichloromethane	<6.1		6.1	1.1	ug/Kg	☼		04/04/14 19:07	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		04/04/14 19:07	1
Bromomethane	<6.1		6.1	1.9	ug/Kg	☼		04/04/14 19:07	1
Carbon disulfide	<6.1		6.1	0.92	ug/Kg	☼		04/04/14 19:07	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		04/04/14 19:07	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		04/04/14 19:07	1
Chloroethane	<6.1		6.1	1.7	ug/Kg	☼		04/04/14 19:07	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		04/04/14 19:07	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		04/04/14 19:07	1
cis-1,2-Dichloroethene	<6.1		6.1	0.87	ug/Kg	☼		04/04/14 19:07	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		04/04/14 19:07	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		04/04/14 19:07	1
1,1-Dichloroethane	<6.1		6.1	0.97	ug/Kg	☼		04/04/14 19:07	1
1,2-Dichloroethane	<6.1		6.1	0.91	ug/Kg	☼		04/04/14 19:07	1
1,1-Dichloroethene	<6.1		6.1	0.99	ug/Kg	☼		04/04/14 19:07	1
1,2-Dichloropropane	<6.1		6.1	0.93	ug/Kg	☼		04/04/14 19:07	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		04/04/14 19:07	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		04/04/14 19:07	1
2-Hexanone	<6.1		6.1	1.8	ug/Kg	☼		04/04/14 19:07	1
Methylene Chloride	<6.1		6.1	1.7	ug/Kg	☼		04/04/14 19:07	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		04/04/14 19:07	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		04/04/14 19:07	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		04/04/14 19:07	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		04/04/14 19:07	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		04/04/14 19:07	1
Tetrachloroethene	<6.1		6.1	0.94	ug/Kg	☼		04/04/14 19:07	1
Toluene	<6.1		6.1	0.86	ug/Kg	☼		04/04/14 19:07	1
trans-1,2-Dichloroethene	<6.1		6.1	0.84	ug/Kg	☼		04/04/14 19:07	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		04/04/14 19:07	1
1,1,1-Trichloroethane	<6.1		6.1	0.92	ug/Kg	☼		04/04/14 19:07	1
1,1,2-Trichloroethane	<6.1		6.1	0.84	ug/Kg	☼		04/04/14 19:07	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		04/04/14 19:07	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		04/04/14 19:07	1
Xylenes, Total	<12		12	0.56	ug/Kg	☼		04/04/14 19:07	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 122*		*04/04/14 19:07*	*1*
Dibromofluoromethane	*116*		*75 - 120*		*04/04/14 19:07*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*		*04/04/14 19:07*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*04/04/14 19:07*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1

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TestAmerica Job ID: 500-74417-1

Client Sample ID: IC-9(0-2)-040314
Date Collected: 04/03/14 10:15
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-6
Matrix: Solid
Percent Solids: 81.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
2-Methylnaphthalene	<39		39	7.3	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
2-Methylphenol	<200		200	64	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
2-Nitrophenol	<390		390	94	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Acenaphthene	<39		39	7.1	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Anthracene	<39		39	6.6	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Benzo[a]pyrene	**32**	**J**	39	7.7	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Benzo[b]fluoranthene	**24**	**J**	39	8.6	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Benzo[g,h,i]perylene	**19**	**J**	39	13	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Benzo[k]fluoranthene	**15**	**J**	39	12	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Carbazole	<200		200	100	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Chrysene	**12**	**J**	39	11	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Dibenz(a,h)anthracene	**22**	**J**	39	7.7	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Dibenzofuran	<200		200	46	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Fluoranthene	<39		39	7.3	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Fluorene	<39		39	5.6	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Hexachloroethane	<200		200	60	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Client Sample ID: IC-9(0-2)-040314
Date Collected: 04/03/14 10:15
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-6
Matrix: Solid
Percent Solids: 81.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	21	J	39	10	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Isophorone	<200		200	44	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Naphthalene	<39		39	6.1	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Phenanthrene	12	J	39	5.5	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Phenol	<200		200	88	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1
Pyrene	11	J	39	7.9	ug/Kg	☼	04/07/14 06:58	04/08/14 13:26	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*70*		*35 - 137*	*04/07/14 06:58*	*04/08/14 13:26*	*1*
2-Fluorobiphenyl	*57*		*25 - 119*	*04/07/14 06:58*	*04/08/14 13:26*	*1*
2-Fluorophenol	*56*		*25 - 110*	*04/07/14 06:58*	*04/08/14 13:26*	*1*
Nitrobenzene-d5	*56*		*25 - 115*	*04/07/14 06:58*	*04/08/14 13:26*	*1*
Phenol-d5	*50*		*31 - 110*	*04/07/14 06:58*	*04/08/14 13:26*	*1*
Terphenyl-d14	*104*		*36 - 134*	*04/07/14 06:58*	*04/08/14 13:26*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/11/14 08:30	04/11/14 18:03	1
Barium	0.61		0.50	0.050	mg/L		04/11/14 08:30	04/11/14 18:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/11/14 08:30	04/11/14 18:03	1
Cadmium	0.0054		0.0050	0.0020	mg/L		04/11/14 08:30	04/11/14 18:03	1
Chromium	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 18:03	1
Cobalt	0.061		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 18:03	1
Copper	0.021	J	0.025	0.010	mg/L		04/11/14 08:30	04/11/14 18:03	1
Iron	<0.20		0.20	0.20	mg/L		04/11/14 08:30	04/11/14 18:03	1
Lead	0.0080		0.0075	0.0075	mg/L		04/11/14 08:30	04/11/14 18:03	1
Manganese	4.3		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 18:03	1
Nickel	0.066		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 18:03	1
Selenium	<0.050		0.050	0.010	mg/L		04/11/14 08:30	04/11/14 18:03	1
Silver	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 18:03	1
Zinc	0.15		0.10	0.020	mg/L		04/11/14 08:30	04/11/14 18:03	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.014	J	0.050	0.010	mg/L		04/11/14 08:30	04/12/14 01:59	1
Barium	0.25	J	0.50	0.050	mg/L		04/11/14 08:30	04/12/14 01:59	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/11/14 08:30	04/12/14 01:59	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/11/14 08:30	04/12/14 01:59	1
Chromium	0.052		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 01:59	1
Cobalt	0.015	J	0.025	0.010	mg/L		04/11/14 08:30	04/12/14 01:59	1
Copper	0.069		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 01:59	1
Iron	37		0.20	0.20	mg/L		04/11/14 08:30	04/12/14 01:59	1
Lead	0.024		0.0075	0.0075	mg/L		04/11/14 08:30	04/12/14 01:59	1
Manganese	0.26		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 01:59	1
Nickel	0.050		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 01:59	1
Selenium	<0.050		0.050	0.010	mg/L		04/11/14 08:30	04/12/14 01:59	1

Client Sample ID: IC-9(0-2)-040314
Date Collected: 04/03/14 10:15
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-6
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 01:59	1
Zinc	**0.14**		0.10	0.020	mg/L		04/11/14 08:30	04/12/14 01:59	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.48	mg/Kg	☼	04/08/14 16:00	04/09/14 23:16	1
Arsenic	**7.5**		0.60	0.12	mg/Kg	☼	04/08/14 16:00	04/09/14 23:16	1
Barium	**53**		0.60	0.064	mg/Kg	☼	04/08/14 16:00	04/09/14 23:16	1
Beryllium	**0.62**		0.24	0.048	mg/Kg	☼	04/08/14 16:00	04/09/14 23:16	1
Cadmium	**0.86**		0.12	0.015	mg/Kg	☼	04/08/14 16:00	04/09/14 23:16	1
Calcium	**48000**		12	3.2	mg/Kg	☼	04/08/14 16:00	04/09/14 23:16	1
Chromium	**20**		0.60	0.069	mg/Kg	☼	04/08/14 16:00	04/09/14 23:16	1
Cobalt	**12**		0.30	0.060	mg/Kg	☼	04/08/14 16:00	04/09/14 23:16	1
Copper	**25**		0.60	0.12	mg/Kg	☼	04/08/14 16:00	04/09/14 23:16	1
Iron	**21000**		12	4.9	mg/Kg	☼	04/08/14 16:00	04/09/14 23:16	1
Lead	**16**		0.30	0.089	mg/Kg	☼	04/08/14 16:00	04/09/14 23:16	1
Magnesium	**23000**		6.0	1.2	mg/Kg	☼	04/08/14 16:00	04/09/14 23:16	1
Manganese	**420**		0.60	0.12	mg/Kg	☼	04/08/14 16:00	04/09/14 23:16	1
Nickel	**29**		0.60	0.12	mg/Kg	☼	04/08/14 16:00	04/09/14 23:16	1
Potassium	**3500**		30	1.8	mg/Kg	☼	04/08/14 16:00	04/09/14 23:16	1
Selenium	<0.60		0.60	0.21	mg/Kg	☼	04/08/14 16:00	04/09/14 23:16	1
Silver	**0.030**	**J**	0.30	0.022	mg/Kg	☼	04/08/14 16:00	04/09/14 23:16	1
Sodium	**1700**		60	8.0	mg/Kg	☼	04/08/14 16:00	04/09/14 23:16	1
Thallium	**0.31**	**J**	0.60	0.25	mg/Kg	☼	04/08/14 16:00	04/09/14 23:16	1
Vanadium	**23**		0.30	0.044	mg/Kg	☼	04/08/14 16:00	04/09/14 23:16	1
Zinc	**49**		1.2	0.24	mg/Kg	☼	04/08/14 16:00	04/09/14 23:16	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.10	ug/L		04/11/14 15:10	04/14/14 10:49	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.10	ug/L		04/11/14 15:10	04/14/14 11:32	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**28**		20	8.0	ug/Kg	☼	04/07/14 15:19	04/08/14 10:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.50**		0.200	0.200	SU			04/07/14 15:00	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Client Sample ID: IC-17(0-2)-040314
Date Collected: 04/03/14 10:25
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-7
Matrix: Solid
Percent Solids: 83.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		04/07/14 13:38	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		04/07/14 13:38	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/07/14 13:38	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		04/07/14 13:38	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		04/07/14 13:38	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		04/07/14 13:38	1
Carbon tetrachloride	<6.0	*	6.0	1.1	ug/Kg	☼		04/07/14 13:38	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		04/07/14 13:38	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		04/07/14 13:38	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		04/07/14 13:38	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		04/07/14 13:38	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		04/07/14 13:38	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		04/07/14 13:38	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/07/14 13:38	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		04/07/14 13:38	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/07/14 13:38	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		04/07/14 13:38	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		04/07/14 13:38	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		04/07/14 13:38	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		04/07/14 13:38	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		04/07/14 13:38	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		04/07/14 13:38	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		04/07/14 13:38	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		04/07/14 13:38	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		04/07/14 13:38	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		04/07/14 13:38	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/07/14 13:38	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		04/07/14 13:38	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		04/07/14 13:38	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	☼		04/07/14 13:38	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		04/07/14 13:38	1
1,1,1-Trichloroethane	<6.0	*	6.0	0.90	ug/Kg	☼		04/07/14 13:38	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		04/07/14 13:38	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		04/07/14 13:38	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		04/07/14 13:38	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		04/07/14 13:38	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 122*		*04/07/14 13:38*	*1*
Dibromofluoromethane	*107*		*75 - 120*		*04/07/14 13:38*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 134*		*04/07/14 13:38*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*04/07/14 13:38*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
1,3-Dichlorobenzene	<190		190	44	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
1,4-Dichlorobenzene	<190		190	50	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Client Sample ID: IC-17(0-2)-040314
Date Collected: 04/03/14 10:25
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-7
Matrix: Solid
Percent Solids: 83.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
2,4-Dinitrotoluene	<190		190	62	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
2-Methylphenol	<190		190	62	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
3 & 4 Methylphenol	<190		190	65	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Acenaphthene	<38		38	7.0	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Anthracene	<38		38	6.5	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Benzo[a]anthracene	**48**		38	5.2	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Benzo[a]pyrene	**58**		38	7.5	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Benzo[b]fluoranthene	**65**		38	8.4	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Benzo[g,h,i]perylene	**45**		38	12	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Benzo[k]fluoranthene	**26**	**J**	38	11	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Bis(2-ethylhexyl) phthalate	<190		190	71	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Butyl benzyl phthalate	<190		190	74	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Carbazole	<190		190	100	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Chrysene	**69**		38	11	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Dibenz(a,h)anthracene	**27**	**J**	38	7.5	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Dibenzofuran	<190		190	45	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Diethyl phthalate	<190		190	66	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Dimethyl phthalate	<190		190	51	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Fluoranthene	**74**		38	7.2	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Fluorene	<38		38	5.4	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Hexachloroethane	<190		190	59	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Client Sample ID: IC-17(0-2)-040314
Date Collected: 04/03/14 10:25
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-7
Matrix: Solid
Percent Solids: 83.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	37	J	38	10	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Isophorone	<190		190	43	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Naphthalene	<38		38	6.0	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Nitrobenzene	<38		38	9.7	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Phenanthrene	39		38	5.4	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Phenol	<190		190	86	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1
Pyrene	95		38	7.7	ug/Kg	☼	04/07/14 06:58	04/08/14 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*86*		*35 - 137*	*04/07/14 06:58*	*04/08/14 13:45*	*1*
2-Fluorobiphenyl	*70*		*25 - 119*	*04/07/14 06:58*	*04/08/14 13:45*	*1*
2-Fluorophenol	*72*		*25 - 110*	*04/07/14 06:58*	*04/08/14 13:45*	*1*
Nitrobenzene-d5	*69*		*25 - 115*	*04/07/14 06:58*	*04/08/14 13:45*	*1*
Phenol-d5	*62*		*31 - 110*	*04/07/14 06:58*	*04/08/14 13:45*	*1*
Terphenyl-d14	*121*		*36 - 134*	*04/07/14 06:58*	*04/08/14 13:45*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	J	0.050	0.010	mg/L		04/11/14 08:30	04/11/14 18:08	1
Barium	0.13	J	0.50	0.050	mg/L		04/11/14 08:30	04/11/14 18:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/11/14 08:30	04/11/14 18:08	1
Cadmium	0.0022	J	0.0050	0.0020	mg/L		04/11/14 08:30	04/11/14 18:08	1
Chromium	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 18:08	1
Cobalt	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 18:08	1
Copper	0.011	J	0.025	0.010	mg/L		04/11/14 08:30	04/11/14 18:08	1
Iron	<0.20		0.20	0.20	mg/L		04/11/14 08:30	04/11/14 18:08	1
Lead	0.012		0.0075	0.0075	mg/L		04/11/14 08:30	04/11/14 18:08	1
Manganese	1.6		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 18:08	1
Nickel	0.019	J	0.025	0.010	mg/L		04/11/14 08:30	04/11/14 18:08	1
Selenium	0.014	J B	0.050	0.010	mg/L		04/11/14 08:30	04/11/14 18:08	1
Silver	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 18:08	1
Zinc	0.039	J	0.10	0.020	mg/L		04/11/14 08:30	04/11/14 18:08	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/11/14 08:30	04/12/14 02:06	1
Barium	0.065	J	0.50	0.050	mg/L		04/11/14 08:30	04/12/14 02:06	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/11/14 08:30	04/12/14 02:06	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/11/14 08:30	04/12/14 02:06	1
Chromium	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 02:06	1
Cobalt	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 02:06	1
Copper	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 02:06	1
Iron	0.20		0.20	0.20	mg/L		04/11/14 08:30	04/12/14 02:06	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/11/14 08:30	04/12/14 02:06	1
Manganese	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 02:06	1
Nickel	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 02:06	1
Selenium	<0.050		0.050	0.010	mg/L		04/11/14 08:30	04/12/14 02:06	1

Client Sample ID: IC-17(0-2)-040314
Date Collected: 04/03/14 10:25
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-7
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 02:06	1
Zinc	**0.034**	**J**	0.10	0.020	mg/L		04/11/14 08:30	04/12/14 02:06	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.46	mg/Kg	☼	04/08/14 16:00	04/09/14 23:22	1
Arsenic	**7.2**		0.57	0.11	mg/Kg	☼	04/08/14 16:00	04/09/14 23:22	1
Barium	**77**		0.57	0.061	mg/Kg	☼	04/08/14 16:00	04/09/14 23:22	1
Beryllium	**0.67**		0.23	0.046	mg/Kg	☼	04/08/14 16:00	04/09/14 23:22	1
Cadmium	**0.88**		0.11	0.015	mg/Kg	☼	04/08/14 16:00	04/09/14 23:22	1
Calcium	**44000**		11	3.1	mg/Kg	☼	04/08/14 16:00	04/09/14 23:22	1
Chromium	**20**		0.57	0.066	mg/Kg	☼	04/08/14 16:00	04/09/14 23:22	1
Cobalt	**9.9**		0.29	0.057	mg/Kg	☼	04/08/14 16:00	04/09/14 23:22	1
Copper	**26**		0.57	0.11	mg/Kg	☼	04/08/14 16:00	04/09/14 23:22	1
Iron	**20000**		11	4.7	mg/Kg	☼	04/08/14 16:00	04/09/14 23:22	1
Lead	**21**		0.29	0.085	mg/Kg	☼	04/08/14 16:00	04/09/14 23:22	1
Magnesium	**22000**		5.7	1.2	mg/Kg	☼	04/08/14 16:00	04/09/14 23:22	1
Manganese	**410**		0.57	0.11	mg/Kg	☼	04/08/14 16:00	04/09/14 23:22	1
Nickel	**27**		0.57	0.11	mg/Kg	☼	04/08/14 16:00	04/09/14 23:22	1
Potassium	**3400**		29	1.7	mg/Kg	☼	04/08/14 16:00	04/09/14 23:22	1
Selenium	<0.57		0.57	0.20	mg/Kg	☼	04/08/14 16:00	04/09/14 23:22	1
Silver	**0.048**	**J**	0.29	0.021	mg/Kg	☼	04/08/14 16:00	04/09/14 23:22	1
Sodium	**2800**		57	7.7	mg/Kg	☼	04/08/14 16:00	04/09/14 23:22	1
Thallium	**0.26**	**J**	0.57	0.24	mg/Kg	☼	04/08/14 16:00	04/09/14 23:22	1
Vanadium	**26**		0.29	0.042	mg/Kg	☼	04/08/14 16:00	04/09/14 23:22	1
Zinc	**51**		1.1	0.23	mg/Kg	☼	04/08/14 16:00	04/09/14 23:22	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.10	ug/L		04/11/14 15:10	04/14/14 10:55	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.10	ug/L		04/11/14 15:10	04/14/14 11:34	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**31**		17	6.8	ug/Kg	☼	04/07/14 15:19	04/08/14 10:49	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.10**		0.200	0.200	SU			04/07/14 15:02	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Client Sample ID: IC-10(0-2)-040314
Date Collected: 04/03/14 10:40
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-8
Matrix: Solid
Percent Solids: 85.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.5	ug/Kg	☼		04/07/14 14:01	1
Benzene	<5.9		5.9	0.80	ug/Kg	☼		04/07/14 14:01	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/07/14 14:01	1
Bromoform	<5.9		5.9	1.3	ug/Kg	☼		04/07/14 14:01	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		04/07/14 14:01	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	☼		04/07/14 14:01	1
Carbon tetrachloride	<5.9	*	5.9	1.1	ug/Kg	☼		04/07/14 14:01	1
Chlorobenzene	<5.9		5.9	0.59	ug/Kg	☼		04/07/14 14:01	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		04/07/14 14:01	1
Chloroform	<5.9		5.9	0.67	ug/Kg	☼		04/07/14 14:01	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		04/07/14 14:01	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	☼		04/07/14 14:01	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	☼		04/07/14 14:01	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/07/14 14:01	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		04/07/14 14:01	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		04/07/14 14:01	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		04/07/14 14:01	1
1,2-Dichloropropane	<5.9		5.9	0.89	ug/Kg	☼		04/07/14 14:01	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	☼		04/07/14 14:01	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		04/07/14 14:01	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		04/07/14 14:01	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		04/07/14 14:01	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		04/07/14 14:01	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		04/07/14 14:01	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	☼		04/07/14 14:01	1
Styrene	<5.9		5.9	0.77	ug/Kg	☼		04/07/14 14:01	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		04/07/14 14:01	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	☼		04/07/14 14:01	1
Toluene	<5.9		5.9	0.82	ug/Kg	☼		04/07/14 14:01	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		04/07/14 14:01	1
trans-1,3-Dichloropropene	<5.9		5.9	1.0	ug/Kg	☼		04/07/14 14:01	1
1,1,1-Trichloroethane	<5.9	*	5.9	0.88	ug/Kg	☼		04/07/14 14:01	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	☼		04/07/14 14:01	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		04/07/14 14:01	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		04/07/14 14:01	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/07/14 14:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*111*		*70 - 122*		*04/07/14 14:01*	*1*
Dibromofluoromethane	*112*		*75 - 120*		*04/07/14 14:01*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*		*04/07/14 14:01*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*04/07/14 14:01*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Client Sample ID: IC-10(0-2)-040314
Date Collected: 04/03/14 10:40
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-8
Matrix: Solid
Percent Solids: 85.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
2-Methylnaphthalene	**15**	**J**	38	7.0	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
2-Methylphenol	<190		190	61	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Anthracene	<38		38	6.4	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Benzo[a]anthracene	**36**	**J**	38	5.1	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Benzo[a]pyrene	**36**	**J**	38	7.4	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Benzo[b]fluoranthene	**48**		38	8.2	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Benzo[g,h,i]perylene	**40**		38	12	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Benzo[k]fluoranthene	**20**	**J**	38	11	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Carbazole	<190		190	98	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Chrysene	**51**		38	10	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Dibenzofuran	<190		190	45	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Fluoranthene	**59**		38	7.1	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Fluorene	<38		38	5.4	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Hexachloroethane	<190		190	58	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Client Sample ID: IC-10(0-2)-040314
Date Collected: 04/03/14 10:40
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-8
Matrix: Solid
Percent Solids: 85.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**22**	**J**	38	9.9	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Isophorone	<190		190	43	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Naphthalene	<38		38	5.9	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Phenanthrene	**46**		38	5.3	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Phenol	<190		190	85	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1
Pyrene	**67**		38	7.6	ug/Kg	☼	04/07/14 06:58	04/08/14 00:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*91*		*35 - 137*	*04/07/14 06:58*	*04/08/14 00:40*	*1*
2-Fluorobiphenyl	*70*		*25 - 119*	*04/07/14 06:58*	*04/08/14 00:40*	*1*
2-Fluorophenol	*75*		*25 - 110*	*04/07/14 06:58*	*04/08/14 00:40*	*1*
Nitrobenzene-d5	*69*		*25 - 115*	*04/07/14 06:58*	*04/08/14 00:40*	*1*
Phenol-d5	*77*		*31 - 110*	*04/07/14 06:58*	*04/08/14 00:40*	*1*
Terphenyl-d14	*76*		*36 - 134*	*04/07/14 06:58*	*04/08/14 00:40*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/11/14 08:30	04/11/14 18:14	1
Barium	**0.19**	**J**	0.50	0.050	mg/L		04/11/14 08:30	04/11/14 18:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/11/14 08:30	04/11/14 18:14	1
Cadmium	**0.0027**	**J**	0.0050	0.0020	mg/L		04/11/14 08:30	04/11/14 18:14	1
Chromium	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 18:14	1
Cobalt	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 18:14	1
Copper	**0.019**	**J**	0.025	0.010	mg/L		04/11/14 08:30	04/11/14 18:14	1
Iron	<0.20		0.20	0.20	mg/L		04/11/14 08:30	04/11/14 18:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/11/14 08:30	04/11/14 18:14	1
Manganese	**1.4**		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 18:14	1
Nickel	**0.017**	**J**	0.025	0.010	mg/L		04/11/14 08:30	04/11/14 18:14	1
Selenium	<0.050		0.050	0.010	mg/L		04/11/14 08:30	04/11/14 18:14	1
Silver	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 18:14	1
Zinc	**0.060**	**J**	0.10	0.020	mg/L		04/11/14 08:30	04/11/14 18:14	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/11/14 08:30	04/12/14 02:12	1
Barium	**0.054**	**J**	0.50	0.050	mg/L		04/11/14 08:30	04/12/14 02:12	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/11/14 08:30	04/12/14 02:12	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/11/14 08:30	04/12/14 02:12	1
Chromium	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 02:12	1
Cobalt	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 02:12	1
Copper	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 02:12	1
Iron	<0.20		0.20	0.20	mg/L		04/11/14 08:30	04/12/14 02:12	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/11/14 08:30	04/12/14 02:12	1
Manganese	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 02:12	1
Nickel	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 02:12	1
Selenium	<0.050		0.050	0.010	mg/L		04/11/14 08:30	04/12/14 02:12	1

Client Sample ID: IC-10(0-2)-040314
Date Collected: 04/03/14 10:40
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-8
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 02:12	1
Zinc	**0.029**	**J**	0.10	0.020	mg/L		04/11/14 08:30	04/12/14 02:12	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.47	mg/Kg	☼	04/08/14 16:00	04/09/14 23:29	1
Arsenic	**5.1**		0.58	0.12	mg/Kg	☼	04/08/14 16:00	04/09/14 23:29	1
Barium	**49**		0.58	0.062	mg/Kg	☼	04/08/14 16:00	04/09/14 23:29	1
Beryllium	**0.59**		0.23	0.046	mg/Kg	☼	04/08/14 16:00	04/09/14 23:29	1
Cadmium	**0.79**		0.12	0.015	mg/Kg	☼	04/08/14 16:00	04/09/14 23:29	1
Calcium	**50000**		12	3.1	mg/Kg	☼	04/08/14 16:00	04/09/14 23:29	1
Chromium	**19**		0.58	0.067	mg/Kg	☼	04/08/14 16:00	04/09/14 23:29	1
Cobalt	**7.8**		0.29	0.058	mg/Kg	☼	04/08/14 16:00	04/09/14 23:29	1
Copper	**18**		0.58	0.12	mg/Kg	☼	04/08/14 16:00	04/09/14 23:29	1
Iron	**18000**		12	4.8	mg/Kg	☼	04/08/14 16:00	04/09/14 23:29	1
Lead	**8.6**		0.29	0.086	mg/Kg	☼	04/08/14 16:00	04/09/14 23:29	1
Magnesium	**24000**		5.8	1.2	mg/Kg	☼	04/08/14 16:00	04/09/14 23:29	1
Manganese	**280**		0.58	0.12	mg/Kg	☼	04/08/14 16:00	04/09/14 23:29	1
Nickel	**22**		0.58	0.12	mg/Kg	☼	04/08/14 16:00	04/09/14 23:29	1
Potassium	**3600**		29	1.7	mg/Kg	☼	04/08/14 16:00	04/09/14 23:29	1
Selenium	<0.58		0.58	0.21	mg/Kg	☼	04/08/14 16:00	04/09/14 23:29	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	04/08/14 16:00	04/09/14 23:29	1
Sodium	**870**		58	7.8	mg/Kg	☼	04/08/14 16:00	04/09/14 23:29	1
Thallium	<0.58		0.58	0.24	mg/Kg	☼	04/08/14 16:00	04/09/14 23:29	1
Vanadium	**21**		0.29	0.043	mg/Kg	☼	04/08/14 16:00	04/09/14 23:29	1
Zinc	**39**		1.2	0.23	mg/Kg	☼	04/08/14 16:00	04/09/14 23:29	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.10	ug/L		04/11/14 15:10	04/14/14 10:57	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.10	ug/L		04/11/14 15:10	04/14/14 11:36	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**36**		19	7.3	ug/Kg	☼	04/07/14 15:19	04/08/14 10:51	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.07**		0.200	0.200	SU			04/07/14 15:05	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Client Sample ID: IC-12(0-2)-040314
Date Collected: 04/03/14 10:55
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-9
Matrix: Solid
Percent Solids: 77.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.4		6.4	2.8	ug/Kg	☼		04/04/14 20:16	1
Benzene	<6.4		6.4	0.88	ug/Kg	☼		04/04/14 20:16	1
Bromodichloromethane	<6.4		6.4	1.1	ug/Kg	☼		04/04/14 20:16	1
Bromoform	<6.4		6.4	1.5	ug/Kg	☼		04/04/14 20:16	1
Bromomethane	<6.4		6.4	1.9	ug/Kg	☼		04/04/14 20:16	1
Carbon disulfide	<6.4		6.4	0.96	ug/Kg	☼		04/04/14 20:16	1
Carbon tetrachloride	<6.4		6.4	1.2	ug/Kg	☼		04/04/14 20:16	1
Chlorobenzene	<6.4		6.4	0.65	ug/Kg	☼		04/04/14 20:16	1
Chloroethane	<6.4		6.4	1.7	ug/Kg	☼		04/04/14 20:16	1
Chloroform	<6.4		6.4	0.74	ug/Kg	☼		04/04/14 20:16	1
Chloromethane	<6.4		6.4	1.3	ug/Kg	☼		04/04/14 20:16	1
cis-1,2-Dichloroethene	<6.4		6.4	0.91	ug/Kg	☼		04/04/14 20:16	1
cis-1,3-Dichloropropene	<6.4		6.4	0.84	ug/Kg	☼		04/04/14 20:16	1
Dibromochloromethane	<6.4		6.4	1.1	ug/Kg	☼		04/04/14 20:16	1
1,1-Dichloroethane	<6.4		6.4	1.0	ug/Kg	☼		04/04/14 20:16	1
1,2-Dichloroethane	<6.4		6.4	0.95	ug/Kg	☼		04/04/14 20:16	1
1,1-Dichloroethene	<6.4		6.4	1.0	ug/Kg	☼		04/04/14 20:16	1
1,2-Dichloropropane	<6.4		6.4	0.97	ug/Kg	☼		04/04/14 20:16	1
1,3-Dichloropropene, Total	<6.4		6.4	0.84	ug/Kg	☼		04/04/14 20:16	1
Ethylbenzene	<6.4		6.4	1.3	ug/Kg	☼		04/04/14 20:16	1
2-Hexanone	<6.4		6.4	1.8	ug/Kg	☼		04/04/14 20:16	1
Methylene Chloride	<6.4		6.4	1.7	ug/Kg	☼		04/04/14 20:16	1
Methyl Ethyl Ketone	<6.4		6.4	2.3	ug/Kg	☼		04/04/14 20:16	1
methyl isobutyl ketone	<6.4		6.4	1.7	ug/Kg	☼		04/04/14 20:16	1
Methyl tert-butyl ether	<6.4		6.4	1.1	ug/Kg	☼		04/04/14 20:16	1
Styrene	<6.4		6.4	0.84	ug/Kg	☼		04/04/14 20:16	1
1,1,2,2-Tetrachloroethane	<6.4		6.4	1.3	ug/Kg	☼		04/04/14 20:16	1
Tetrachloroethene	<6.4		6.4	0.98	ug/Kg	☼		04/04/14 20:16	1
Toluene	<6.4		6.4	0.90	ug/Kg	☼		04/04/14 20:16	1
trans-1,2-Dichloroethene	<6.4		6.4	0.88	ug/Kg	☼		04/04/14 20:16	1
trans-1,3-Dichloropropene	<6.4		6.4	1.2	ug/Kg	☼		04/04/14 20:16	1
1,1,1-Trichloroethane	<6.4		6.4	0.96	ug/Kg	☼		04/04/14 20:16	1
1,1,2-Trichloroethane	<6.4		6.4	0.88	ug/Kg	☼		04/04/14 20:16	1
Trichloroethene	<6.4		6.4	1.1	ug/Kg	☼		04/04/14 20:16	1
Vinyl chloride	<6.4		6.4	1.3	ug/Kg	☼		04/04/14 20:16	1
Xylenes, Total	<13		13	0.58	ug/Kg	☼		04/04/14 20:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 122*		*04/04/14 20:16*	*1*
Dibromofluoromethane	*115*		*75 - 120*		*04/04/14 20:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*		*04/04/14 20:16*	*1*
Toluene-d8 (Surr)	*95*		*75 - 122*		*04/04/14 20:16*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<210		210	46	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
1,2-Dichlorobenzene	<210		210	51	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
1,3-Dichlorobenzene	<210		210	48	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
1,4-Dichlorobenzene	<210		210	55	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
2,2'-oxybis[1-chloropropane]	<210		210	49	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Client Sample ID: IC-12(0-2)-040314
Date Collected: 04/03/14 10:55
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-9
Matrix: Solid
Percent Solids: 77.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<420		420	97	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
2,4,6-Trichlorophenol	<420		420	150	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
2,4-Dichlorophenol	<420		420	100	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
2,4-Dimethylphenol	<420		420	160	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
2,4-Dinitrophenol	<860		860	750	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
2,4-Dinitrotoluene	<210		210	68	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
2,6-Dinitrotoluene	<210		210	84	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
2-Chloronaphthalene	<210		210	47	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
2-Chlorophenol	<210		210	73	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
2-Methylnaphthalene	**12**	**J**	42	7.8	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
2-Methylphenol	<210		210	68	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
2-Nitroaniline	<210		210	57	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
2-Nitrophenol	<420		420	100	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
3 & 4 Methylphenol	<210		210	71	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
3,3'-Dichlorobenzidine	<210		210	60	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
3-Nitroaniline	<420		420	130	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
4,6-Dinitro-2-methylphenol	<420		420	340	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
4-Bromophenyl phenyl ether	<210		210	56	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
4-Chloro-3-methylphenol	<420		420	140	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
4-Chloroaniline	<860		860	200	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
4-Chlorophenyl phenyl ether	<210		210	50	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
4-Nitroaniline	<420		420	180	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
4-Nitrophenol	<860		860	410	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Acenaphthene	<42		42	7.7	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Acenaphthylene	**30**	**J**	42	5.6	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Anthracene	**50**		42	7.1	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Benzo[a]anthracene	**200**		42	5.7	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Benzo[a]pyrene	**200**		42	8.3	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Benzo[b]fluoranthene	**250**		42	9.2	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Benzo[g,h,i]perylene	**240**		42	14	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Benzo[k]fluoranthene	**120**		42	13	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Bis(2-chloroethoxy)methane	<210		210	43	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Bis(2-chloroethyl)ether	<210		210	64	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Bis(2-ethylhexyl) phthalate	<210		210	78	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Butyl benzyl phthalate	<210		210	81	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Carbazole	<210		210	110	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Chrysene	**250**		42	12	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Dibenz(a,h)anthracene	**63**		42	8.2	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Dibenzofuran	<210		210	50	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Diethyl phthalate	<210		210	72	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Dimethyl phthalate	<210		210	56	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Di-n-butyl phthalate	<210		210	65	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Di-n-octyl phthalate	<210		210	70	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Fluoranthene	**410**		42	7.9	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Fluorene	**10**	**J**	42	6.0	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Hexachlorobenzene	<86		86	9.9	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Hexachlorobutadiene	<210		210	67	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Hexachlorocyclopentadiene	<860		860	250	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Hexachloroethane	<210		210	65	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Client Sample ID: IC-12(0-2)-040314
Date Collected: 04/03/14 10:55
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-9
Matrix: Solid
Percent Solids: 77.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	200		42	11	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Isophorone	<210		210	48	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Naphthalene	11	J	42	6.6	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Nitrobenzene	<42		42	11	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
N-Nitrosodi-n-propylamine	<210		210	52	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
N-Nitrosodiphenylamine	<210		210	50	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Pentachlorophenol	<860		860	680	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Phenanthrene	210		42	5.9	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Phenol	<210		210	95	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1
Pyrene	450		42	8.5	ug/Kg	☼	04/07/14 06:58	04/08/14 01:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*69*		*35 - 137*	*04/07/14 06:58*	*04/08/14 01:05*	*1*
2-Fluorobiphenyl	*55*		*25 - 119*	*04/07/14 06:58*	*04/08/14 01:05*	*1*
2-Fluorophenol	*53*		*25 - 110*	*04/07/14 06:58*	*04/08/14 01:05*	*1*
Nitrobenzene-d5	*51*		*25 - 115*	*04/07/14 06:58*	*04/08/14 01:05*	*1*
Phenol-d5	*57*		*31 - 110*	*04/07/14 06:58*	*04/08/14 01:05*	*1*
Terphenyl-d14	*80*		*36 - 134*	*04/07/14 06:58*	*04/08/14 01:05*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.011	J	0.050	0.010	mg/L		04/11/14 08:30	04/11/14 18:19	1
Barium	0.42	J	0.50	0.050	mg/L		04/11/14 08:30	04/11/14 18:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/11/14 08:30	04/11/14 18:19	1
Cadmium	0.0086		0.0050	0.0020	mg/L		04/11/14 08:30	04/11/14 18:19	1
Chromium	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 18:19	1
Cobalt	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 18:19	1
Copper	0.034		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 18:19	1
Iron	0.26		0.20	0.20	mg/L		04/11/14 08:30	04/11/14 18:19	1
Lead	0.0099		0.0075	0.0075	mg/L		04/11/14 08:30	04/11/14 18:19	1
Manganese	1.1		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 18:19	1
Nickel	0.017	J	0.025	0.010	mg/L		04/11/14 08:30	04/11/14 18:19	1
Selenium	0.013	J B	0.050	0.010	mg/L		04/11/14 08:30	04/11/14 18:19	1
Silver	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 18:19	1
Zinc	0.33		0.10	0.020	mg/L		04/11/14 08:30	04/11/14 18:19	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.057		0.050	0.010	mg/L		04/11/14 08:30	04/12/14 02:18	1
Barium	0.95		0.50	0.050	mg/L		04/11/14 08:30	04/12/14 02:18	1
Beryllium	0.0068		0.0040	0.0040	mg/L		04/11/14 08:30	04/12/14 02:18	1
Cadmium	0.0077		0.0050	0.0020	mg/L		04/11/14 08:30	04/12/14 02:18	1
Chromium	0.23		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 02:18	1
Cobalt	0.054		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 02:18	1
Copper	0.22		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 02:18	1
Iron	190		0.20	0.20	mg/L		04/11/14 08:30	04/12/14 02:18	1
Lead	0.28		0.0075	0.0075	mg/L		04/11/14 08:30	04/12/14 02:18	1
Manganese	0.88		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 02:18	1
Nickel	0.18		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 02:18	1
Selenium	0.012	J	0.050	0.010	mg/L		04/11/14 08:30	04/12/14 02:18	1

Client Sample ID: IC-12(0-2)-040314
Date Collected: 04/03/14 10:55
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-9
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 02:18	1
Zinc	**1.1**		0.10	0.020	mg/L		04/11/14 08:30	04/12/14 02:18	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.71**	**J**	1.3	0.51	mg/Kg	☼	04/08/14 16:00	04/09/14 23:35	1
Arsenic	**7.2**		0.63	0.13	mg/Kg	☼	04/08/14 16:00	04/09/14 23:35	1
Barium	**110**		0.63	0.068	mg/Kg	☼	04/08/14 16:00	04/09/14 23:35	1
Beryllium	**0.71**		0.25	0.051	mg/Kg	☼	04/08/14 16:00	04/09/14 23:35	1
Cadmium	**2.4**		0.13	0.016	mg/Kg	☼	04/08/14 16:00	04/09/14 23:35	1
Calcium	**18000**		13	3.4	mg/Kg	☼	04/08/14 16:00	04/09/14 23:35	1
Chromium	**26**		0.63	0.073	mg/Kg	☼	04/08/14 16:00	04/09/14 23:35	1
Cobalt	**12**		0.32	0.063	mg/Kg	☼	04/08/14 16:00	04/09/14 23:35	1
Copper	**62**		0.63	0.13	mg/Kg	☼	04/08/14 16:00	04/09/14 23:35	1
Iron	**21000**		13	5.2	mg/Kg	☼	04/08/14 16:00	04/09/14 23:35	1
Lead	**90**		0.32	0.094	mg/Kg	☼	04/08/14 16:00	04/09/14 23:35	1
Magnesium	**12000**		6.3	1.3	mg/Kg	☼	04/08/14 16:00	04/09/14 23:35	1
Manganese	**430**		0.63	0.13	mg/Kg	☼	04/08/14 16:00	04/09/14 23:35	1
Nickel	**28**		0.63	0.13	mg/Kg	☼	04/08/14 16:00	04/09/14 23:35	1
Potassium	**2400**		32	1.9	mg/Kg	☼	04/08/14 16:00	04/09/14 23:35	1
Selenium	**0.52**	**J**	0.63	0.22	mg/Kg	☼	04/08/14 16:00	04/09/14 23:35	1
Silver	**0.28**	**J**	0.32	0.023	mg/Kg	☼	04/08/14 16:00	04/09/14 23:35	1
Sodium	**2800**		63	8.5	mg/Kg	☼	04/08/14 16:00	04/09/14 23:35	1
Thallium	<0.63		0.63	0.27	mg/Kg	☼	04/08/14 16:00	04/09/14 23:35	1
Vanadium	**27**		0.32	0.047	mg/Kg	☼	04/08/14 16:00	04/09/14 23:35	1
Zinc	**320**		1.3	0.26	mg/Kg	☼	04/08/14 16:00	04/09/14 23:35	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.10	ug/L		04/11/14 15:10	04/14/14 10:58	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.59**		0.20	0.10	ug/L		04/11/14 15:10	04/14/14 11:42	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**250**		20	8.0	ug/Kg	☼	04/07/14 15:19	04/08/14 10:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.52**		0.200	0.200	SU			04/07/14 15:07	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Client Sample ID: IC-15(0-2)-040314
Date Collected: 04/03/14 11:15
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-10
Matrix: Solid
Percent Solids: 82.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.1		6.1	2.6	ug/Kg	☼		04/07/14 14:24	1
Benzene	<6.1		6.1	0.84	ug/Kg	☼		04/07/14 14:24	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		04/07/14 14:24	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		04/07/14 14:24	1
Bromomethane	<6.1		6.1	1.8	ug/Kg	☼		04/07/14 14:24	1
Carbon disulfide	<6.1		6.1	0.91	ug/Kg	☼		04/07/14 14:24	1
Carbon tetrachloride	<6.1	*	6.1	1.1	ug/Kg	☼		04/07/14 14:24	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		04/07/14 14:24	1
Chloroethane	<6.1		6.1	1.7	ug/Kg	☼		04/07/14 14:24	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		04/07/14 14:24	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		04/07/14 14:24	1
cis-1,2-Dichloroethene	<6.1		6.1	0.86	ug/Kg	☼		04/07/14 14:24	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		04/07/14 14:24	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		04/07/14 14:24	1
1,1-Dichloroethane	<6.1		6.1	0.96	ug/Kg	☼		04/07/14 14:24	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		04/07/14 14:24	1
1,1-Dichloroethene	<6.1		6.1	0.98	ug/Kg	☼		04/07/14 14:24	1
1,2-Dichloropropane	<6.1		6.1	0.93	ug/Kg	☼		04/07/14 14:24	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		04/07/14 14:24	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		04/07/14 14:24	1
2-Hexanone	<6.1		6.1	1.8	ug/Kg	☼		04/07/14 14:24	1
Methylene Chloride	<6.1		6.1	1.6	ug/Kg	☼		04/07/14 14:24	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		04/07/14 14:24	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		04/07/14 14:24	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		04/07/14 14:24	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		04/07/14 14:24	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		04/07/14 14:24	1
Tetrachloroethene	<6.1		6.1	0.93	ug/Kg	☼		04/07/14 14:24	1
Toluene	<6.1		6.1	0.85	ug/Kg	☼		04/07/14 14:24	1
trans-1,2-Dichloroethene	<6.1		6.1	0.84	ug/Kg	☼		04/07/14 14:24	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		04/07/14 14:24	1
1,1,1-Trichloroethane	<6.1	*	6.1	0.91	ug/Kg	☼		04/07/14 14:24	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		04/07/14 14:24	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		04/07/14 14:24	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		04/07/14 14:24	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		04/07/14 14:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 122*		*04/07/14 14:24*	*1*
Dibromofluoromethane	*114*		*75 - 120*		*04/07/14 14:24*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*		*04/07/14 14:24*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*04/07/14 14:24*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Client Sample ID: IC-15(0-2)-040314
Date Collected: 04/03/14 11:15
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-10
Matrix: Solid
Percent Solids: 82.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
2-Methylnaphthalene	<40		40	7.4	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
2-Methylphenol	<200		200	64	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Anthracene	**14**	**J**	40	6.7	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Benzo[a]anthracene	**60**		40	5.4	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Benzo[a]pyrene	**69**		40	7.8	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Benzo[b]fluoranthene	**79**		40	8.7	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Benzo[g,h,i]perylene	**51**		40	13	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Benzo[k]fluoranthene	**40**		40	12	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Carbazole	<200		200	100	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Chrysene	**90**		40	11	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Dibenz(a,h)anthracene	**29**	**J**	40	7.8	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Dibenzofuran	<200		200	47	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Fluoranthene	**120**		40	7.4	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Fluorene	<40		40	5.6	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Hexachloroethane	<200		200	61	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Client Sample ID: IC-15(0-2)-040314
Date Collected: 04/03/14 11:15
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-10
Matrix: Solid
Percent Solids: 82.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	42		40	10	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Isophorone	<200		200	45	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Naphthalene	8.7	J	40	6.2	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Nitrobenzene	<40		40	10	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Phenanthrene	65		40	5.6	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Phenol	<200		200	89	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1
Pyrene	120		40	8.0	ug/Kg	☼	04/07/14 06:58	04/08/14 14:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*79*		*35 - 137*	*04/07/14 06:58*	*04/08/14 14:05*	*1*
2-Fluorobiphenyl	*63*		*25 - 119*	*04/07/14 06:58*	*04/08/14 14:05*	*1*
2-Fluorophenol	*64*		*25 - 110*	*04/07/14 06:58*	*04/08/14 14:05*	*1*
Nitrobenzene-d5	*61*		*25 - 115*	*04/07/14 06:58*	*04/08/14 14:05*	*1*
Phenol-d5	*55*		*31 - 110*	*04/07/14 06:58*	*04/08/14 14:05*	*1*
Terphenyl-d14	*119*		*36 - 134*	*04/07/14 06:58*	*04/08/14 14:05*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/11/14 08:30	04/11/14 18:24	1
Barium	0.53		0.50	0.050	mg/L		04/11/14 08:30	04/11/14 18:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/11/14 08:30	04/11/14 18:24	1
Cadmium	0.0045	J	0.0050	0.0020	mg/L		04/11/14 08:30	04/11/14 18:24	1
Chromium	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 18:24	1
Cobalt	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 18:24	1
Copper	0.014	J	0.025	0.010	mg/L		04/11/14 08:30	04/11/14 18:24	1
Iron	0.22		0.20	0.20	mg/L		04/11/14 08:30	04/11/14 18:24	1
Lead	0.010		0.0075	0.0075	mg/L		04/11/14 08:30	04/11/14 18:24	1
Manganese	0.91		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 18:24	1
Nickel	0.014	J	0.025	0.010	mg/L		04/11/14 08:30	04/11/14 18:24	1
Selenium	0.011	J B	0.050	0.010	mg/L		04/11/14 08:30	04/11/14 18:24	1
Silver	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/11/14 18:24	1
Zinc	0.056	J	0.10	0.020	mg/L		04/11/14 08:30	04/11/14 18:24	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.065		0.050	0.010	mg/L		04/11/14 08:30	04/12/14 02:24	1
Barium	0.54		0.50	0.050	mg/L		04/11/14 08:30	04/12/14 02:24	1
Beryllium	0.0045		0.0040	0.0040	mg/L		04/11/14 08:30	04/12/14 02:24	1
Cadmium	0.0045	J	0.0050	0.0020	mg/L		04/11/14 08:30	04/12/14 02:24	1
Chromium	0.13		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 02:24	1
Cobalt	0.049		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 02:24	1
Copper	0.20		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 02:24	1
Iron	140		0.20	0.20	mg/L		04/11/14 08:30	04/12/14 02:24	1
Lead	0.14		0.0075	0.0075	mg/L		04/11/14 08:30	04/12/14 02:24	1
Manganese	0.81		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 02:24	1
Nickel	0.14		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 02:24	1
Selenium	<0.050		0.050	0.010	mg/L		04/11/14 08:30	04/12/14 02:24	1

Client Sample ID: IC-15(0-2)-040314
Date Collected: 04/03/14 11:15
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-10
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 02:24	1
Zinc	**0.55**		0.10	0.020	mg/L		04/11/14 08:30	04/12/14 02:24	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.46	mg/Kg	☼	04/08/14 16:00	04/09/14 23:41	1
Arsenic	**7.8**		0.58	0.11	mg/Kg	☼	04/08/14 16:00	04/09/14 23:41	1
Barium	**57**		0.58	0.062	mg/Kg	☼	04/08/14 16:00	04/09/14 23:41	1
Beryllium	**0.48**		0.23	0.046	mg/Kg	☼	04/08/14 16:00	04/09/14 23:41	1
Cadmium	**1.2**		0.12	0.015	mg/Kg	☼	04/08/14 16:00	04/09/14 23:41	1
Calcium	**50000**		12	3.1	mg/Kg	☼	04/08/14 16:00	04/09/14 23:41	1
Chromium	**17**		0.58	0.067	mg/Kg	☼	04/08/14 16:00	04/09/14 23:41	1
Cobalt	**9.4**		0.29	0.058	mg/Kg	☼	04/08/14 16:00	04/09/14 23:41	1
Copper	**30**		0.58	0.12	mg/Kg	☼	04/08/14 16:00	04/09/14 23:41	1
Iron	**19000**		12	4.7	mg/Kg	☼	04/08/14 16:00	04/09/14 23:41	1
Lead	**29**		0.29	0.086	mg/Kg	☼	04/08/14 16:00	04/09/14 23:41	1
Magnesium	**29000**		5.8	1.2	mg/Kg	☼	04/08/14 16:00	04/09/14 23:41	1
Manganese	**430**		0.58	0.12	mg/Kg	☼	04/08/14 16:00	04/09/14 23:41	1
Nickel	**23**		0.58	0.12	mg/Kg	☼	04/08/14 16:00	04/09/14 23:41	1
Potassium	**2600**		29	1.7	mg/Kg	☼	04/08/14 16:00	04/09/14 23:41	1
Selenium	<0.58		0.58	0.20	mg/Kg	☼	04/08/14 16:00	04/09/14 23:41	1
Silver	**0.15**	**J**	0.29	0.021	mg/Kg	☼	04/08/14 16:00	04/09/14 23:41	1
Sodium	**1600**		58	7.7	mg/Kg	☼	04/08/14 16:00	04/09/14 23:41	1
Thallium	**0.47**	**J**	0.58	0.24	mg/Kg	☼	04/08/14 16:00	04/09/14 23:41	1
Vanadium	**19**		0.29	0.043	mg/Kg	☼	04/08/14 16:00	04/09/14 23:41	1
Zinc	**65**		1.2	0.23	mg/Kg	☼	04/08/14 16:00	04/09/14 23:41	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.10	ug/L		04/11/14 15:10	04/14/14 11:00	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.49**		0.20	0.10	ug/L		04/11/14 15:10	04/14/14 11:44	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**60**		18	7.0	ug/Kg	☼	04/07/14 15:19	04/08/14 10:55	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.67**		0.200	0.200	SU			04/07/14 15:10	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Client Sample ID: IC-13(0-2)-040314
Date Collected: 04/03/14 11:45
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-11
Matrix: Solid
Percent Solids: 80.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.2		6.2	2.7	ug/Kg	☼		04/07/14 14:47	1
Benzene	<6.2		6.2	0.85	ug/Kg	☼		04/07/14 14:47	1
Bromodichloromethane	<6.2		6.2	1.1	ug/Kg	☼		04/07/14 14:47	1
Bromoform	<6.2		6.2	1.4	ug/Kg	☼		04/07/14 14:47	1
Bromomethane	<6.2		6.2	1.9	ug/Kg	☼		04/07/14 14:47	1
Carbon disulfide	<6.2		6.2	0.93	ug/Kg	☼		04/07/14 14:47	1
Carbon tetrachloride	<6.2	*	6.2	1.1	ug/Kg	☼		04/07/14 14:47	1
Chlorobenzene	<6.2		6.2	0.63	ug/Kg	☼		04/07/14 14:47	1
Chloroethane	<6.2		6.2	1.7	ug/Kg	☼		04/07/14 14:47	1
Chloroform	<6.2		6.2	0.71	ug/Kg	☼		04/07/14 14:47	1
Chloromethane	<6.2		6.2	1.3	ug/Kg	☼		04/07/14 14:47	1
cis-1,2-Dichloroethene	<6.2		6.2	0.88	ug/Kg	☼		04/07/14 14:47	1
cis-1,3-Dichloropropene	<6.2		6.2	0.81	ug/Kg	☼		04/07/14 14:47	1
Dibromochloromethane	<6.2		6.2	1.1	ug/Kg	☼		04/07/14 14:47	1
1,1-Dichloroethane	<6.2		6.2	0.98	ug/Kg	☼		04/07/14 14:47	1
1,2-Dichloroethane	<6.2		6.2	0.92	ug/Kg	☼		04/07/14 14:47	1
1,1-Dichloroethene	<6.2		6.2	1.0	ug/Kg	☼		04/07/14 14:47	1
1,2-Dichloropropane	<6.2		6.2	0.94	ug/Kg	☼		04/07/14 14:47	1
1,3-Dichloropropene, Total	<6.2		6.2	0.81	ug/Kg	☼		04/07/14 14:47	1
Ethylbenzene	<6.2		6.2	1.3	ug/Kg	☼		04/07/14 14:47	1
2-Hexanone	<6.2		6.2	1.8	ug/Kg	☼		04/07/14 14:47	1
Methylene Chloride	<6.2		6.2	1.7	ug/Kg	☼		04/07/14 14:47	1
Methyl Ethyl Ketone	<6.2		6.2	2.2	ug/Kg	☼		04/07/14 14:47	1
methyl isobutyl ketone	<6.2		6.2	1.6	ug/Kg	☼		04/07/14 14:47	1
Methyl tert-butyl ether	<6.2		6.2	1.0	ug/Kg	☼		04/07/14 14:47	1
Styrene	<6.2		6.2	0.81	ug/Kg	☼		04/07/14 14:47	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	1.3	ug/Kg	☼		04/07/14 14:47	1
Tetrachloroethene	<6.2		6.2	0.95	ug/Kg	☼		04/07/14 14:47	1
Toluene	<6.2		6.2	0.87	ug/Kg	☼		04/07/14 14:47	1
trans-1,2-Dichloroethene	<6.2		6.2	0.85	ug/Kg	☼		04/07/14 14:47	1
trans-1,3-Dichloropropene	<6.2		6.2	1.1	ug/Kg	☼		04/07/14 14:47	1
1,1,1-Trichloroethane	<6.2	*	6.2	0.93	ug/Kg	☼		04/07/14 14:47	1
1,1,2-Trichloroethane	<6.2		6.2	0.85	ug/Kg	☼		04/07/14 14:47	1
Trichloroethene	<6.2		6.2	1.0	ug/Kg	☼		04/07/14 14:47	1
Vinyl chloride	<6.2		6.2	1.3	ug/Kg	☼		04/07/14 14:47	1
Xylenes, Total	<12		12	0.56	ug/Kg	☼		04/07/14 14:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 122*		*04/07/14 14:47*	*1*
Dibromofluoromethane	*114*		*75 - 120*		*04/07/14 14:47*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 134*		*04/07/14 14:47*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*04/07/14 14:47*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
1,2-Dichlorobenzene	<200		200	46	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Client Sample ID: IC-13(0-2)-040314
Date Collected: 04/03/14 11:45
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-11
Matrix: Solid
Percent Solids: 80.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
2,4-Dichlorophenol	<390		390	92	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
2,6-Dinitrotoluene	<200		200	76	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
2-Chlorophenol	<200		200	66	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
2-Methylnaphthalene	**12**	**J**	39	7.1	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
2-Methylphenol	<200		200	62	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
2-Nitroaniline	<200		200	52	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
3,3'-Dichlorobenzidine	<200		200	54	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
4,6-Dinitro-2-methylphenol	<390		390	310	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
4-Chlorophenyl phenyl ether	<200		200	45	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Acenaphthylene	**48**		39	5.1	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Anthracene	**67**		39	6.5	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Benzo[a]anthracene	**280**		39	5.2	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Benzo[a]pyrene	**290**		39	7.5	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Benzo[b]fluoranthene	**420**		39	8.4	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Benzo[g,h,i]perylene	**270**		39	12	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Benzo[k]fluoranthene	**160**		39	11	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Carbazole	<200		200	100	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Chrysene	**330**		39	11	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Dibenz(a,h)anthracene	**74**		39	7.5	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Dibenzofuran	<200		200	45	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Di-n-octyl phthalate	<200		200	63	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Fluoranthene	**560**		39	7.2	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Fluorene	**13**	**J**	39	5.5	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Hexachlorobenzene	<78		78	9.0	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Hexachloroethane	<200		200	59	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1

Client Sample ID: IC-13(0-2)-040314
Date Collected: 04/03/14 11:45
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-11
Matrix: Solid
Percent Solids: 80.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	210		39	10	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Isophorone	<200		200	44	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Naphthalene	13	J	39	6.0	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
N-Nitrosodi-n-propylamine	<200		200	47	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Phenanthrene	260		39	5.4	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Phenol	<200		200	86	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1
Pyrene	490		39	7.7	ug/Kg	☼	04/07/14 06:58	04/08/14 01:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*81*		*35 - 137*	*04/07/14 06:58*	*04/08/14 01:54*	*1*
2-Fluorobiphenyl	*66*		*25 - 119*	*04/07/14 06:58*	*04/08/14 01:54*	*1*
2-Fluorophenol	*63*		*25 - 110*	*04/07/14 06:58*	*04/08/14 01:54*	*1*
Nitrobenzene-d5	*61*		*25 - 115*	*04/07/14 06:58*	*04/08/14 01:54*	*1*
Phenol-d5	*69*		*31 - 110*	*04/07/14 06:58*	*04/08/14 01:54*	*1*
Terphenyl-d14	*75*		*36 - 134*	*04/07/14 06:58*	*04/08/14 01:54*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/09/14 08:30	04/09/14 21:53	1
Barium	1.1	B	0.50	0.050	mg/L		04/09/14 08:30	04/09/14 21:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/09/14 08:30	04/09/14 21:53	1
Cadmium	0.0099		0.0050	0.0020	mg/L		04/09/14 08:30	04/09/14 21:53	1
Chromium	<0.025		0.025	0.010	mg/L		04/09/14 08:30	04/09/14 21:53	1
Cobalt	<0.025		0.025	0.010	mg/L		04/09/14 08:30	04/09/14 21:53	1
Copper	0.017	J	0.025	0.010	mg/L		04/09/14 08:30	04/09/14 21:53	1
Iron	<0.20		0.20	0.20	mg/L		04/09/14 08:30	04/09/14 21:53	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/09/14 08:30	04/09/14 21:53	1
Manganese	0.73		0.025	0.010	mg/L		04/09/14 08:30	04/09/14 21:53	1
Nickel	<0.025		0.025	0.010	mg/L		04/09/14 08:30	04/09/14 21:53	1
Selenium	0.012	J B	0.050	0.010	mg/L		04/09/14 08:30	04/09/14 21:53	1
Silver	<0.025		0.025	0.010	mg/L		04/09/14 08:30	04/09/14 21:53	1
Zinc	0.78	B	0.10	0.020	mg/L		04/09/14 08:30	04/09/14 21:53	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.077		0.050	0.010	mg/L		04/11/14 08:30	04/12/14 02:31	1
Barium	0.71		0.50	0.050	mg/L		04/11/14 08:30	04/12/14 02:31	1
Beryllium	0.0066		0.0040	0.0040	mg/L		04/11/14 08:30	04/12/14 02:31	1
Cadmium	0.010		0.0050	0.0020	mg/L		04/11/14 08:30	04/12/14 02:31	1
Chromium	0.22		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 02:31	1
Cobalt	0.064		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 02:31	1
Copper	0.29		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 02:31	1
Iron	160		0.20	0.20	mg/L		04/11/14 08:30	04/12/14 02:31	1
Lead	0.32		0.0075	0.0075	mg/L		04/11/14 08:30	04/12/14 02:31	1
Manganese	1.0		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 02:31	1
Nickel	0.19		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 02:31	1
Selenium	<0.050		0.050	0.010	mg/L		04/11/14 08:30	04/12/14 02:31	1

Client Sample ID: IC-13(0-2)-040314
Date Collected: 04/03/14 11:45
Date Received: 04/03/14 14:00

Lab Sample ID: 500-74417-11
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/11/14 08:30	04/12/14 02:31	1
Zinc	1.2		0.10	0.020	mg/L		04/11/14 08:30	04/12/14 02:31	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.70	J	1.2	0.47	mg/Kg	☼	04/08/14 16:00	04/09/14 23:47	1
Arsenic	8.0		0.59	0.12	mg/Kg	☼	04/08/14 16:00	04/09/14 23:47	1
Barium	110		0.59	0.063	mg/Kg	☼	04/08/14 16:00	04/09/14 23:47	1
Beryllium	0.68		0.24	0.047	mg/Kg	☼	04/08/14 16:00	04/09/14 23:47	1
Cadmium	2.8		0.12	0.015	mg/Kg	☼	04/08/14 16:00	04/09/14 23:47	1
Calcium	35000		12	3.2	mg/Kg	☼	04/08/14 16:00	04/09/14 23:47	1
Chromium	32		0.59	0.068	mg/Kg	☼	04/08/14 16:00	04/09/14 23:47	1
Cobalt	10		0.29	0.059	mg/Kg	☼	04/08/14 16:00	04/09/14 23:47	1
Copper	54		0.59	0.12	mg/Kg	☼	04/08/14 16:00	04/09/14 23:47	1
Iron	21000		12	4.8	mg/Kg	☼	04/08/14 16:00	04/09/14 23:47	1
Lead	82		0.29	0.088	mg/Kg	☼	04/08/14 16:00	04/09/14 23:47	1
Magnesium	20000		5.9	1.2	mg/Kg	☼	04/08/14 16:00	04/09/14 23:47	1
Manganese	410		0.59	0.12	mg/Kg	☼	04/08/14 16:00	04/09/14 23:47	1
Nickel	27		0.59	0.12	mg/Kg	☼	04/08/14 16:00	04/09/14 23:47	1
Potassium	3000		29	1.8	mg/Kg	☼	04/08/14 16:00	04/09/14 23:47	1
Selenium	0.31	J	0.59	0.21	mg/Kg	☼	04/08/14 16:00	04/09/14 23:47	1
Silver	0.69		0.29	0.021	mg/Kg	☼	04/08/14 16:00	04/09/14 23:47	1
Sodium	3700		590	79	mg/Kg	☼	04/08/14 16:00	04/10/14 15:41	10
Thallium	0.35	J	0.59	0.25	mg/Kg	☼	04/08/14 16:00	04/09/14 23:47	1
Vanadium	24		0.29	0.043	mg/Kg	☼	04/08/14 16:00	04/09/14 23:47	1
Zinc	200		1.2	0.24	mg/Kg	☼	04/08/14 16:00	04/09/14 23:47	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/09/14 12:50	04/10/14 09:40	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	1.3		0.20	0.10	ug/L		04/11/14 15:10	04/14/14 11:46	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	140		20	7.9	ug/Kg	☼	04/07/14 15:19	04/08/14 11:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.76		0.200	0.200	SU			04/07/14 15:12	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74417-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTAL T

2417 Bond Street, University Park, IL 6048
Phone: 708.534.5200 Fax: 708.534.5

500-74417 COC

(optional)

Report To
Contact: S. Babusukumar
Company: Weston Solutions Inc
Address: 750 E Bunker Ct. Ste. 500
Address: Vernon Hills, IL 60061
Phone: 847.918.4018
Fax: 847.918.4055
E-Mail:

(optional)

Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74417
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 3.4

Client: Weston Solutions Inc
Client Project #:
Project Name: IDOT 050 IL 171 from 47th to 55th St
Project Location/State: Lyons/McCook/Summit IL
Lab Project #:
Sampler: M. Doheny-Skubic
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	TOTAL METALS	TCLP/SPLP METALS	PH	Comments
1		CR-1(0-3)-040314	4-3-14	0905	2	S	X	X	X	X	X	
2		CR-1(3-7)-040314		0910	2	S	X	X	X	X	X	
3		IC-19(0-2)-040314		0925	2	S	X	X	X	X	X	
4		IC-8(0-2)-040314		0939	2	S	X	X	X	X	X	
5		IC-18(0-2)-040314		0955	2	S	X	X	X	X	X	
6		IC-9(0-2)-040314		1015	2	S	X	X	X	X	X	
7		IC-17(0-2)-040314		1025	2	S	X	X	X	X	X	
8		IC-10(0-2)-040314		1040	2	S	X	X	X	X	X	
9		IC-12(0-2)-040314		1055	2	S	X	X	X	X	X	
10		IC-15(0-2)-040314	4-3-14	1115	2	S	X	X	X	X	X	

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date _____

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
Matt Doheny-Skubic	Weston	4-3-14	1312		TA	4/3/14	1312
	TA	4/3/14	1900		TA-CHI	4/3/14	1900

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

4/14/2014

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Report To (optional)
Contact: S. Babusukumar
Company: Weston Solutions Inc
Address: 750 E Bunker Ct Ste 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax: 847-918-4055
E-Mail:

Bill To (optional)
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74417
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler: 3.4

Client: Weston Solutions Inc
Client Project #: 02056.013.050.0020
Project Name: IDOT 050- IL 171 from 47th to 55th St
Project Location/State: Lyons/McCook/Summit IL
Lab Project #:
Sampler: M. Polveny-Skubic
Lab PM: D. Wright

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs (Preservative 8)	SVOCs (Preservative 8)	Total Metals (Preservative 8)	TCLP/SPLP Metals (Preservative 8)	pH (Preservative 8)					Comments
11		IC-13(0-2)-040314	4-3-14	1145	2	S	X	X	X	X	X					
12		IC-14(0-2)-040314	4-3-14	1215	2	S	X	X	X	X	X					

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date ______

Sample Disposal
☐ Return to Client ☒ Disposal by Lab ☐ Archive for ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	weston	4-3-14	1312	[signature]	TA	4/3/14	1312
[signature]	TA	4/3/14	1400	Shaun Scott	TA-CAL	4/3/14	1400

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TAL-4124-500 (1209)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-74360-1
Client Project/Site: IDOT - Lyons, McCook, Summit - 050

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar

Authorized for release by:
4/14/2014 11:15:28 AM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74360-1

Client Sample ID: IC-7(0-5)-040214
Date Collected: 04/02/14 13:25
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74360-9
Matrix: Solid
Percent Solids: 84.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	16		5.9	2.6	ug/Kg	☼		04/04/14 19:40	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		04/04/14 19:40	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/04/14 19:40	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		04/04/14 19:40	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		04/04/14 19:40	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	☼		04/04/14 19:40	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		04/04/14 19:40	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		04/04/14 19:40	1
Chloroethane	<5.9	*	5.9	1.6	ug/Kg	☼		04/04/14 19:40	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		04/04/14 19:40	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		04/04/14 19:40	1
cis-1,2-Dichloroethene	<5.9		5.9	0.84	ug/Kg	☼		04/04/14 19:40	1
cis-1,3-Dichloropropene	<5.9		5.9	0.78	ug/Kg	☼		04/04/14 19:40	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/04/14 19:40	1
1,1-Dichloroethane	<5.9		5.9	0.94	ug/Kg	☼		04/04/14 19:40	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/04/14 19:40	1
1,1-Dichloroethene	<5.9		5.9	0.96	ug/Kg	☼		04/04/14 19:40	1
1,2-Dichloropropane	<5.9		5.9	0.90	ug/Kg	☼		04/04/14 19:40	1
1,3-Dichloropropene, Total	<5.9		5.9	0.78	ug/Kg	☼		04/04/14 19:40	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		04/04/14 19:40	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		04/04/14 19:40	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		04/04/14 19:40	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		04/04/14 19:40	1
methyl isobutyl ketone	<5.9		5.9	1.6	ug/Kg	☼		04/04/14 19:40	1
Methyl tert-butyl ether	<5.9		5.9	0.98	ug/Kg	☼		04/04/14 19:40	1
Styrene	<5.9		5.9	0.78	ug/Kg	☼		04/04/14 19:40	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		04/04/14 19:40	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	☼		04/04/14 19:40	1
Toluene	<5.9		5.9	0.83	ug/Kg	☼		04/04/14 19:40	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		04/04/14 19:40	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		04/04/14 19:40	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/04/14 19:40	1
1,1,2-Trichloroethane	<5.9		5.9	0.81	ug/Kg	☼		04/04/14 19:40	1
Trichloroethene	<5.9		5.9	0.98	ug/Kg	☼		04/04/14 19:40	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		04/04/14 19:40	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		04/04/14 19:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*86*		*70 - 122*		*04/04/14 19:40*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*04/04/14 19:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 134*		*04/04/14 19:40*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*04/04/14 19:40*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
1,4-Dichlorobenzene	<190		190	47	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74360-1

Client Sample ID: IC-7(0-5)-040214
Date Collected: 04/02/14 13:25
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74360-9
Matrix: Solid
Percent Solids: 84.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	84	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
2-Methylnaphthalene	<37		37	6.8	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
2-Methylphenol	<190		190	59	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
2-Nitrophenol	<370		370	87	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
3-Nitroaniline	<370		370	110	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
4-Nitroaniline	<370		370	150	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Acenaphthene	<37		37	6.6	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Anthracene	**13**	**J**	37	6.2	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Benzo[a]anthracene	**12**	**J**	37	5.0	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Benzo[a]pyrene	**35**	**J**	37	7.2	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Benzo[b]fluoranthene	**31**	**J**	37	8.0	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Benzo[g,h,i]perylene	**24**	**J**	37	12	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Benzo[k]fluoranthene	**15**	**J**	37	11	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Bis(2-chloroethyl)ether	<190		190	55	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Butyl benzyl phthalate	<190		190	70	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Carbazole	<190		190	95	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Chrysene	**24**	**J**	37	10	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Dibenz(a,h)anthracene	<37		37	7.1	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Dibenzofuran	<190		190	43	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Dimethyl phthalate	<190		190	48	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Di-n-butyl phthalate	<190		190	56	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Di-n-octyl phthalate	<190		190	60	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Fluoranthene	**32**	**J**	37	6.9	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Fluorene	<37		37	5.2	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Hexachloroethane	<190		190	56	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74360-1

Client Sample ID: IC-7(0-5)-040214
Date Collected: 04/02/14 13:25
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74360-9
Matrix: Solid
Percent Solids: 84.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	23	J	37	9.6	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Isophorone	<190		190	42	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Naphthalene	<37		37	5.7	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Nitrobenzene	<37		37	9.2	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
N-Nitrosodi-n-propylamine	<190		190	45	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Pentachlorophenol	<750		750	590	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Phenanthrene	34	J	37	5.2	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Phenol	<190		190	82	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1
Pyrene	46		37	7.3	ug/Kg	☼	04/04/14 07:20	04/08/14 12:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*77*		*35 - 137*	*04/04/14 07:20*	*04/08/14 12:28*	*1*
2-Fluorobiphenyl	*54*		*25 - 119*	*04/04/14 07:20*	*04/08/14 12:28*	*1*
2-Fluorophenol	*55*		*25 - 110*	*04/04/14 07:20*	*04/08/14 12:28*	*1*
Nitrobenzene-d5	*61*		*25 - 115*	*04/04/14 07:20*	*04/08/14 12:28*	*1*
Phenol-d5	*52*		*31 - 110*	*04/04/14 07:20*	*04/08/14 12:28*	*1*
Terphenyl-d14	*95*		*36 - 134*	*04/04/14 07:20*	*04/08/14 12:28*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/10/14 09:45	04/11/14 03:03	1
Barium	0.64		0.50	0.050	mg/L		04/10/14 09:45	04/11/14 03:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/10/14 09:45	04/11/14 03:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/10/14 09:45	04/11/14 03:03	1
Chromium	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/11/14 03:03	1
Cobalt	0.015	J	0.025	0.010	mg/L		04/10/14 09:45	04/11/14 03:03	1
Copper	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/11/14 03:03	1
Iron	<0.20		0.20	0.20	mg/L		04/10/14 09:45	04/11/14 03:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/10/14 09:45	04/11/14 03:03	1
Manganese	4.9		0.025	0.010	mg/L		04/10/14 09:45	04/11/14 03:03	1
Nickel	0.014	J	0.025	0.010	mg/L		04/10/14 09:45	04/11/14 03:03	1
Selenium	<0.050		0.050	0.010	mg/L		04/10/14 09:45	04/11/14 03:03	1
Silver	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/11/14 03:03	1
Zinc	0.055	J	0.10	0.020	mg/L		04/10/14 09:45	04/11/14 03:03	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.020	J	0.050	0.010	mg/L		04/10/14 09:45	04/10/14 19:00	1
Barium	0.33	J	0.50	0.050	mg/L		04/10/14 09:45	04/10/14 19:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/10/14 09:45	04/10/14 19:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/10/14 09:45	04/10/14 19:00	1
Chromium	0.066		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 19:00	1
Cobalt	0.036		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 19:00	1
Copper	0.082		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 19:00	1
Iron	68		0.20	0.20	mg/L		04/10/14 09:45	04/10/14 19:00	1
Lead	0.065		0.0075	0.0075	mg/L		04/10/14 09:45	04/10/14 19:00	1
Manganese	1.2		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 19:00	1
Nickel	0.079		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 19:00	1
Selenium	<0.050		0.050	0.010	mg/L		04/10/14 09:45	04/10/14 19:00	1

Client Sample ID: IC-7(0-5)-040214
Date Collected: 04/02/14 13:25
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74360-9
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 19:00	1
Zinc	**0.18**		0.10	0.020	mg/L		04/10/14 09:45	04/10/14 19:00	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.47	mg/Kg	☼	04/04/14 17:00	04/10/14 04:52	1
Arsenic	**6.5**		0.58	0.12	mg/Kg	☼	04/04/14 17:00	04/10/14 04:52	1
Barium	**56**		0.58	0.062	mg/Kg	☼	04/04/14 17:00	04/10/14 04:52	1
Beryllium	**0.58**		0.23	0.047	mg/Kg	☼	04/04/14 17:00	04/10/14 04:52	1
Cadmium	**0.74**		0.12	0.015	mg/Kg	☼	04/04/14 17:00	04/10/14 04:52	1
Calcium	**43000**	**B**	12	3.2	mg/Kg	☼	04/04/14 17:00	04/10/14 04:52	1
Chromium	**17**		0.58	0.068	mg/Kg	☼	04/04/14 17:00	04/10/14 04:52	1
Cobalt	**10**		0.29	0.058	mg/Kg	☼	04/04/14 17:00	04/10/14 04:52	1
Copper	**27**		0.58	0.12	mg/Kg	☼	04/04/14 17:00	04/10/14 04:52	1
Iron	**19000**		12	4.8	mg/Kg	☼	04/04/14 17:00	04/10/14 04:52	1
Lead	**13**	**B**	0.29	0.087	mg/Kg	☼	04/04/14 17:00	04/10/14 04:52	1
Magnesium	**23000**	**B**	5.8	1.2	mg/Kg	☼	04/04/14 17:00	04/10/14 04:52	1
Manganese	**360**		0.58	0.12	mg/Kg	☼	04/04/14 17:00	04/10/14 04:52	1
Nickel	**25**		0.58	0.12	mg/Kg	☼	04/04/14 17:00	04/10/14 04:52	1
Potassium	**2600**	**B**	29	1.8	mg/Kg	☼	04/04/14 17:00	04/10/14 04:52	1
Selenium	<0.59		0.59	0.21	mg/Kg	☼	04/10/14 16:00	04/11/14 19:30	1
Silver	**0.065**	**J**	0.29	0.021	mg/Kg	☼	04/04/14 17:00	04/10/14 04:52	1
Sodium	**680**		58	7.8	mg/Kg	☼	04/04/14 17:00	04/10/14 04:52	1
Thallium	<0.58		0.58	0.25	mg/Kg	☼	04/04/14 17:00	04/10/14 04:52	1
Vanadium	**21**		0.29	0.043	mg/Kg	☼	04/04/14 17:00	04/10/14 04:52	1
Zinc	**46**		1.2	0.24	mg/Kg	☼	04/04/14 17:00	04/10/14 04:52	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.10	ug/L		04/10/14 13:50	04/11/14 11:26	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.16**	**J**	0.20	0.10	ug/L		04/10/14 13:50	04/11/14 11:58	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**29**		18	6.9	ug/Kg	☼	04/04/14 13:35	04/07/14 12:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.28**		0.200	0.200	SU			04/07/14 14:40	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74360-1

Client Sample ID: IC-7(5-9.5)-040214
Date Collected: 04/02/14 13:30
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74360-10
Matrix: Solid
Percent Solids: 83.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	12		6.0	2.6	ug/Kg	☼		04/04/14 20:04	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		04/04/14 20:04	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/04/14 20:04	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		04/04/14 20:04	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		04/04/14 20:04	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		04/04/14 20:04	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		04/04/14 20:04	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		04/04/14 20:04	1
Chloroethane	<6.0	*	6.0	1.6	ug/Kg	☼		04/04/14 20:04	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		04/04/14 20:04	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		04/04/14 20:04	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		04/04/14 20:04	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		04/04/14 20:04	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/04/14 20:04	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		04/04/14 20:04	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/04/14 20:04	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		04/04/14 20:04	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		04/04/14 20:04	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		04/04/14 20:04	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		04/04/14 20:04	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		04/04/14 20:04	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		04/04/14 20:04	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		04/04/14 20:04	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		04/04/14 20:04	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		04/04/14 20:04	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		04/04/14 20:04	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/04/14 20:04	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		04/04/14 20:04	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		04/04/14 20:04	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	☼		04/04/14 20:04	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		04/04/14 20:04	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		04/04/14 20:04	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		04/04/14 20:04	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		04/04/14 20:04	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		04/04/14 20:04	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		04/04/14 20:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 122*		*04/04/14 20:04*	*1*
Dibromofluoromethane	*105*		*75 - 120*		*04/04/14 20:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 134*		*04/04/14 20:04*	*1*
Toluene-d8 (Surr)	*102*		*75 - 122*		*04/04/14 20:04*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74360-1

Client Sample ID: IC-7(5-9.5)-040214
Date Collected: 04/02/14 13:30
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74360-10
Matrix: Solid
Percent Solids: 83.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	90	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
2,4,6-Trichlorophenol	<390		390	140	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
2,4-Dichlorophenol	<390		390	94	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
2-Methylnaphthalene	**73**		39	7.3	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
2-Methylphenol	<200		200	63	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
2-Nitrophenol	<390		390	93	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
4,6-Dinitro-2-methylphenol	<390		390	320	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
4-Nitroaniline	<390		390	170	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Acenaphthene	**8.2**	**J**	39	7.1	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Anthracene	**16**	**J**	39	6.6	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Benzo[a]anthracene	**44**		39	5.3	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Benzo[a]pyrene	**53**		39	7.6	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Benzo[b]fluoranthene	**57**		39	8.5	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Benzo[g,h,i]perylene	**40**		39	13	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Benzo[k]fluoranthene	**25**	**J**	39	12	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Butyl benzyl phthalate	<200		200	75	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Carbazole	<200		200	100	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Chrysene	**57**		39	11	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Dibenz(a,h)anthracene	**27**	**J**	39	7.6	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Dibenzofuran	<200		200	46	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Diethyl phthalate	<200		200	67	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Fluoranthene	**82**		39	7.3	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Fluorene	**12**	**J**	39	5.6	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Hexachloroethane	<200		200	60	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74360-1

Client Sample ID: IC-7(5-9.5)-040214
Date Collected: 04/02/14 13:30
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74360-10
Matrix: Solid
Percent Solids: 83.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	32	J	39	10	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Isophorone	<200		200	44	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Naphthalene	25	J	39	6.1	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Nitrobenzene	<39		39	9.9	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Pentachlorophenol	<800		800	630	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Phenanthrene	79		39	5.5	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Phenol	<200		200	88	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1
Pyrene	88		39	7.8	ug/Kg	☼	04/04/14 07:20	04/08/14 12:47	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*67*		*35 - 137*	*04/04/14 07:20*	*04/08/14 12:47*	*1*
2-Fluorobiphenyl	*62*		*25 - 119*	*04/04/14 07:20*	*04/08/14 12:47*	*1*
2-Fluorophenol	*65*		*25 - 110*	*04/04/14 07:20*	*04/08/14 12:47*	*1*
Nitrobenzene-d5	*60*		*25 - 115*	*04/04/14 07:20*	*04/08/14 12:47*	*1*
Phenol-d5	*61*		*31 - 110*	*04/04/14 07:20*	*04/08/14 12:47*	*1*
Terphenyl-d14	*120*		*36 - 134*	*04/04/14 07:20*	*04/08/14 12:47*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/10/14 09:45	04/11/14 03:09	1
Barium	0.56		0.50	0.050	mg/L		04/10/14 09:45	04/11/14 03:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/10/14 09:45	04/11/14 03:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/10/14 09:45	04/11/14 03:09	1
Chromium	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/11/14 03:09	1
Cobalt	0.015	J	0.025	0.010	mg/L		04/10/14 09:45	04/11/14 03:09	1
Copper	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/11/14 03:09	1
Iron	<0.20		0.20	0.20	mg/L		04/10/14 09:45	04/11/14 03:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/10/14 09:45	04/11/14 03:09	1
Manganese	3.2		0.025	0.010	mg/L		04/10/14 09:45	04/11/14 03:09	1
Nickel	0.022	J	0.025	0.010	mg/L		04/10/14 09:45	04/11/14 03:09	1
Selenium	<0.050		0.050	0.010	mg/L		04/10/14 09:45	04/11/14 03:09	1
Silver	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/11/14 03:09	1
Zinc	0.060	J	0.10	0.020	mg/L		04/10/14 09:45	04/11/14 03:09	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/10/14 09:45	04/10/14 19:04	1
Barium	0.062	J	0.50	0.050	mg/L		04/10/14 09:45	04/10/14 19:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/10/14 09:45	04/10/14 19:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/10/14 09:45	04/10/14 19:04	1
Chromium	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 19:04	1
Cobalt	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 19:04	1
Copper	0.011	J	0.025	0.010	mg/L		04/10/14 09:45	04/10/14 19:04	1
Iron	1.7		0.20	0.20	mg/L		04/10/14 09:45	04/10/14 19:04	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/10/14 09:45	04/10/14 19:04	1
Manganese	0.082		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 19:04	1
Nickel	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 19:04	1
Selenium	<0.050		0.050	0.010	mg/L		04/10/14 09:45	04/10/14 19:04	1

Client Sample ID: IC-7(5-9.5)-040214
Date Collected: 04/02/14 13:30
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74360-10
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 19:04	1
Zinc	**0.041**	**J**	0.10	0.020	mg/L		04/10/14 09:45	04/10/14 19:04	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.45	mg/Kg	☼	04/04/14 17:00	04/10/14 04:58	1
Arsenic	**6.4**		0.56	0.11	mg/Kg	☼	04/04/14 17:00	04/10/14 04:58	1
Barium	**51**		0.56	0.060	mg/Kg	☼	04/04/14 17:00	04/10/14 04:58	1
Beryllium	**0.56**		0.22	0.045	mg/Kg	☼	04/04/14 17:00	04/10/14 04:58	1
Cadmium	**0.74**		0.11	0.014	mg/Kg	☼	04/04/14 17:00	04/10/14 04:58	1
Calcium	**49000**	**B**	11	3.0	mg/Kg	☼	04/04/14 17:00	04/10/14 04:58	1
Chromium	**17**		0.56	0.065	mg/Kg	☼	04/04/14 17:00	04/10/14 04:58	1
Cobalt	**9.3**		0.28	0.056	mg/Kg	☼	04/04/14 17:00	04/10/14 04:58	1
Copper	**23**		0.56	0.11	mg/Kg	☼	04/04/14 17:00	04/10/14 04:58	1
Iron	**19000**		11	4.6	mg/Kg	☼	04/04/14 17:00	04/10/14 04:58	1
Lead	**11**	**B**	0.28	0.083	mg/Kg	☼	04/04/14 17:00	04/10/14 04:58	1
Magnesium	**25000**	**B**	5.6	1.1	mg/Kg	☼	04/04/14 17:00	04/10/14 04:58	1
Manganese	**360**		0.56	0.11	mg/Kg	☼	04/04/14 17:00	04/10/14 04:58	1
Nickel	**25**		0.56	0.11	mg/Kg	☼	04/04/14 17:00	04/10/14 04:58	1
Potassium	**3200**	**B**	28	1.7	mg/Kg	☼	04/04/14 17:00	04/10/14 04:58	1
Selenium	<0.57		0.57	0.20	mg/Kg	☼	04/10/14 16:00	04/11/14 19:36	1
Silver	**0.027**	**J**	0.28	0.020	mg/Kg	☼	04/04/14 17:00	04/10/14 04:58	1
Sodium	**230**		56	7.5	mg/Kg	☼	04/04/14 17:00	04/10/14 04:58	1
Thallium	<0.56		0.56	0.23	mg/Kg	☼	04/04/14 17:00	04/10/14 04:58	1
Vanadium	**21**		0.28	0.041	mg/Kg	☼	04/04/14 17:00	04/10/14 04:58	1
Zinc	**43**		1.1	0.22	mg/Kg	☼	04/04/14 17:00	04/10/14 04:58	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.10	ug/L		04/10/14 13:50	04/11/14 11:28	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.10	ug/L		04/10/14 13:50	04/11/14 12:00	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**25**		19	7.3	ug/Kg	☼	04/04/14 13:35	04/07/14 12:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.99**		0.200	0.200	SU			04/07/14 14:42	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F3	Duplicate RPD exceeds the control limit
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74360-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
8260B	5030B	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTA

2417 Bond Street, University Park, IL 6
Phone: 708.534.5200 Fax: 708.53

500-74360 COC

(optional)

Report To
Contact: S. BabuSuKumar
Company: Weston Solutions Inc.
Address: 750 E Bunker Ct. Ste. 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax: 847-918-4055
E-Mail:

(optional)

Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74360

Chain of Custody Number:

Page 1 of 1

Temperature °C of Cooler: 3.5

Client: Weston Solutions Inc.
Client Project #:
Project Name: IDOT 050 - IL 171 from 47th St to 55th St.
Project Location/State: McCook/Summit IL
Lab Project #:
Sampler: M. Doherty-Skubic
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	VOCs	SVOCs	TOTAL METALS	TCLP/SPLP METALS	pH					Comments
							Parameter										
1		MWR-3(0-4)-040214	4-2-14	1035	2	S		X	X	X	X	X					
2		MWR-3(0-4)-040214D	4-2-14	1035	2	S		X	X	X	X	X					
3		MWR-3(4-8)-040214	4-2-14	1045	2	S		X	X	X	X	X					
4		MWR-4(0-6)-040214	4-2-14	1100	2	S		X	X	X	X	X					
5		MWR-2(0-4)-040214	4-2-14	1130	2	S		X	X	X	X	X					
6		MWR-2(4-8)-040214	4-2-14	1135	2	S		X	X	X	X	X					
7		MWR-1(0-6)-040214	4-2-14	1200	2	S		X	X	X	X	X					
8		171-2(0-6)-040214	4-2-14	1215	2	S		X	X	X	X	X					
9		IC-7(0-5)-040214	4-2-14	1325	2	S		X	X	X	X	X					
10		IC-7(5-9.5)-040214	4-2-14	1315	2	S		X	X	X	X	X					

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date _____

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[illegible]	Weston	4-2-14	1529	[illegible]	TA	4/2/14	1529
[illegible]	TA	4/2/14	1625	[illegible]	TA-CAL	4/3/14	0630

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-74346-1
Client Project/Site: IDOT - Lyons, McCook, Summit - 050

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar

Authorized for release by:
4/14/2014 11:09:10 AM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client Sample ID: IC-2(0-4)-040214
Date Collected: 04/02/14 10:35
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-7
Matrix: Solid
Percent Solids: 81.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	15		6.1	2.6	ug/Kg	☼		04/03/14 18:29	1
Benzene	<6.1		6.1	0.84	ug/Kg	☼		04/03/14 18:29	1
Bromodichloromethane	<6.1		6.1	1.1	ug/Kg	☼		04/03/14 18:29	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		04/03/14 18:29	1
Bromomethane	<6.1		6.1	1.8	ug/Kg	☼		04/03/14 18:29	1
Carbon disulfide	<6.1		6.1	0.91	ug/Kg	☼		04/03/14 18:29	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		04/03/14 18:29	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		04/03/14 18:29	1
Chloroethane	<6.1		6.1	1.7	ug/Kg	☼		04/03/14 18:29	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		04/03/14 18:29	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		04/03/14 18:29	1
cis-1,2-Dichloroethene	<6.1		6.1	0.87	ug/Kg	☼		04/03/14 18:29	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		04/03/14 18:29	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		04/03/14 18:29	1
1,1-Dichloroethane	<6.1		6.1	0.97	ug/Kg	☼		04/03/14 18:29	1
1,2-Dichloroethane	<6.1		6.1	0.91	ug/Kg	☼		04/03/14 18:29	1
1,1-Dichloroethene	<6.1		6.1	0.99	ug/Kg	☼		04/03/14 18:29	1
1,2-Dichloropropane	<6.1		6.1	0.93	ug/Kg	☼		04/03/14 18:29	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		04/03/14 18:29	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		04/03/14 18:29	1
2-Hexanone	<6.1		6.1	1.8	ug/Kg	☼		04/03/14 18:29	1
Methylene Chloride	<6.1		6.1	1.7	ug/Kg	☼		04/03/14 18:29	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		04/03/14 18:29	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		04/03/14 18:29	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		04/03/14 18:29	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		04/03/14 18:29	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		04/03/14 18:29	1
Tetrachloroethene	<6.1		6.1	0.94	ug/Kg	☼		04/03/14 18:29	1
Toluene	<6.1		6.1	0.86	ug/Kg	☼		04/03/14 18:29	1
trans-1,2-Dichloroethene	<6.1		6.1	0.84	ug/Kg	☼		04/03/14 18:29	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		04/03/14 18:29	1
1,1,1-Trichloroethane	<6.1		6.1	0.91	ug/Kg	☼		04/03/14 18:29	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		04/03/14 18:29	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		04/03/14 18:29	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		04/03/14 18:29	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		04/03/14 18:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 122*		*04/03/14 18:29*	*1*
Dibromofluoromethane	*117*		*75 - 120*		*04/03/14 18:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 134*		*04/03/14 18:29*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*04/03/14 18:29*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74346-1

Client Sample ID: IC-2(0-4)-040214
Date Collected: 04/02/14 10:35
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-7
Matrix: Solid
Percent Solids: 81.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
2-Methylnaphthalene	<39		39	7.2	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
2-Methylphenol	<200		200	63	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
4,6-Dinitro-2-methylphenol	<390		390	310	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Anthracene	<39		39	6.5	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Benzo[a]anthracene	<39		39	5.3	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Benzo[b]fluoranthene	**13**	**J**	39	8.4	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Benzo[g,h,i]perylene	<39		39	13	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Carbazole	<200		200	100	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Chrysene	**16**	**J**	39	11	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Dibenzofuran	<200		200	46	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Fluoranthene	**11**	**J**	39	7.3	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Fluorene	<39		39	5.5	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Hexachloroethane	<200		200	59	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74346-1

Client Sample ID: IC-2(0-4)-040214
Date Collected: 04/02/14 10:35
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-7
Matrix: Solid
Percent Solids: 81.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Isophorone	<200		200	44	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Naphthalene	<39		39	6.0	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Phenanthrene	<39		39	5.5	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Phenol	<200		200	87	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1
Pyrene	**14**	**J**	39	7.8	ug/Kg	☼	04/04/14 17:52	04/07/14 15:54	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*45*		*35 - 137*	*04/04/14 17:52*	*04/07/14 15:54*	*1*
2-Fluorobiphenyl	*36*		*25 - 119*	*04/04/14 17:52*	*04/07/14 15:54*	*1*
2-Fluorophenol	*32*		*25 - 110*	*04/04/14 17:52*	*04/07/14 15:54*	*1*
Nitrobenzene-d5	*27*		*25 - 115*	*04/04/14 17:52*	*04/07/14 15:54*	*1*
Phenol-d5	*34*		*31 - 110*	*04/04/14 17:52*	*04/07/14 15:54*	*1*
Terphenyl-d14	*54*		*36 - 134*	*04/04/14 17:52*	*04/07/14 15:54*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/08/14 08:30	04/09/14 03:57	1
Barium	**0.58**		0.50	0.050	mg/L		04/08/14 08:30	04/09/14 03:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/14 08:30	04/09/14 03:57	1
Cadmium	**0.0054**		0.0050	0.0020	mg/L		04/08/14 08:30	04/09/14 03:57	1
Chromium	<0.025		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 03:57	1
Cobalt	<0.025		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 03:57	1
Copper	**0.011**	**J**	0.025	0.010	mg/L		04/08/14 08:30	04/09/14 03:57	1
Iron	<0.20		0.20	0.20	mg/L		04/08/14 08:30	04/09/14 03:57	1
Lead	**0.0079**		0.0075	0.0075	mg/L		04/11/14 08:30	04/11/14 23:41	1
Manganese	**1.6**		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 03:57	1
Nickel	**0.013**	**J**	0.025	0.010	mg/L		04/08/14 08:30	04/09/14 03:57	1
Selenium	<0.050		0.050	0.010	mg/L		04/08/14 08:30	04/09/14 03:57	1
Silver	<0.025		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 03:57	1
Zinc	**0.18**		0.10	0.020	mg/L		04/08/14 08:30	04/09/14 03:57	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.049**	**J**	0.050	0.010	mg/L		04/08/14 09:00	04/08/14 20:23	1
Barium	**1.2**		0.50	0.050	mg/L		04/08/14 09:00	04/08/14 20:23	1
Beryllium	**0.0050**		0.0040	0.0040	mg/L		04/08/14 09:00	04/08/14 20:23	1
Cadmium	**0.0052**		0.0050	0.0020	mg/L		04/08/14 09:00	04/08/14 20:23	1
Chromium	**0.14**		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:23	1
Cobalt	**0.051**		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:23	1
Copper	**0.18**		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:23	1
Iron	**130**		0.20	0.20	mg/L		04/08/14 09:00	04/08/14 20:23	1
Lead	**0.20**		0.0075	0.0075	mg/L		04/08/14 09:00	04/08/14 20:23	1
Manganese	**0.88**		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:23	1
Nickel	**0.15**		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:23	1
Selenium	<0.050		0.050	0.010	mg/L		04/08/14 09:00	04/09/14 21:07	1

Client Sample ID: IC-2(0-4)-040214
Date Collected: 04/02/14 10:35
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-7
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:23	1
Zinc	1.2		0.10	0.020	mg/L		04/08/14 09:00	04/08/14 20:23	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.85	J	1.1	0.46	mg/Kg	☼	04/04/14 09:00	04/05/14 01:28	1
Arsenic	7.8		0.57	0.11	mg/Kg	☼	04/04/14 09:00	04/05/14 01:28	1
Barium	110		0.57	0.061	mg/Kg	☼	04/04/14 09:00	04/05/14 01:28	1
Beryllium	0.65		0.23	0.046	mg/Kg	☼	04/04/14 09:00	04/05/14 01:28	1
Cadmium	2.1		0.11	0.015	mg/Kg	☼	04/04/14 09:00	04/05/14 01:28	1
Calcium	25000	B	11	3.1	mg/Kg	☼	04/04/14 09:00	04/05/14 01:28	1
Chromium	28		0.57	0.067	mg/Kg	☼	04/04/14 09:00	04/05/14 01:28	1
Cobalt	9.9		0.29	0.057	mg/Kg	☼	04/04/14 09:00	04/05/14 01:28	1
Copper	49		0.57	0.11	mg/Kg	☼	04/04/14 09:00	04/05/14 01:28	1
Iron	22000		11	4.7	mg/Kg	☼	04/04/14 09:00	04/05/14 01:28	1
Lead	73	B	0.29	0.086	mg/Kg	☼	04/04/14 09:00	04/05/14 01:28	1
Magnesium	14000	B	5.7	1.2	mg/Kg	☼	04/04/14 09:00	04/05/14 01:28	1
Manganese	410		0.57	0.11	mg/Kg	☼	04/04/14 09:00	04/05/14 01:28	1
Nickel	26		0.57	0.11	mg/Kg	☼	04/04/14 09:00	04/05/14 01:28	1
Potassium	2500		29	1.7	mg/Kg	☼	04/04/14 09:00	04/05/14 01:28	1
Selenium	0.55	J	0.57	0.20	mg/Kg	☼	04/04/14 09:00	04/05/14 01:28	1
Silver	0.78		0.29	0.021	mg/Kg	☼	04/04/14 09:00	04/05/14 01:28	1
Sodium	4500		570	77	mg/Kg	☼	04/04/14 09:00	04/10/14 01:04	10
Thallium	0.52	J	0.57	0.24	mg/Kg	☼	04/04/14 09:00	04/05/14 01:28	1
Vanadium	23		0.29	0.042	mg/Kg	☼	04/04/14 09:00	04/05/14 01:28	1
Zinc	210		1.1	0.23	mg/Kg	☼	04/04/14 09:00	04/05/14 01:28	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.022	J B	0.20	0.020	ug/L		04/08/14 12:50	04/09/14 12:56	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.62	B	0.20	0.020	ug/L		04/08/14 12:50	04/09/14 13:54	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	290		19	7.3	ug/Kg	☼	04/04/14 13:35	04/07/14 11:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.50		0.200	0.200	SU			04/07/14 14:35	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74346-1

Client Sample ID: IC-2(4-8)-040214
Date Collected: 04/02/14 10:40
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-8
Matrix: Solid
Percent Solids: 79.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	11		6.3	2.7	ug/Kg	☼		04/03/14 18:51	1
Benzene	<6.3		6.3	0.86	ug/Kg	☼		04/03/14 18:51	1
Bromodichloromethane	<6.3		6.3	1.1	ug/Kg	☼		04/03/14 18:51	1
Bromoform	<6.3		6.3	1.4	ug/Kg	☼		04/03/14 18:51	1
Bromomethane	<6.3		6.3	1.9	ug/Kg	☼		04/03/14 18:51	1
Carbon disulfide	<6.3		6.3	0.94	ug/Kg	☼		04/03/14 18:51	1
Carbon tetrachloride	<6.3		6.3	1.1	ug/Kg	☼		04/03/14 18:51	1
Chlorobenzene	<6.3		6.3	0.63	ug/Kg	☼		04/03/14 18:51	1
Chloroethane	<6.3		6.3	1.7	ug/Kg	☼		04/03/14 18:51	1
Chloroform	<6.3		6.3	0.72	ug/Kg	☼		04/03/14 18:51	1
Chloromethane	<6.3		6.3	1.3	ug/Kg	☼		04/03/14 18:51	1
cis-1,2-Dichloroethene	<6.3		6.3	0.89	ug/Kg	☼		04/03/14 18:51	1
cis-1,3-Dichloropropene	<6.3		6.3	0.82	ug/Kg	☼		04/03/14 18:51	1
Dibromochloromethane	<6.3		6.3	1.1	ug/Kg	☼		04/03/14 18:51	1
1,1-Dichloroethane	<6.3		6.3	0.99	ug/Kg	☼		04/03/14 18:51	1
1,2-Dichloroethane	<6.3		6.3	0.93	ug/Kg	☼		04/03/14 18:51	1
1,1-Dichloroethene	<6.3		6.3	1.0	ug/Kg	☼		04/03/14 18:51	1
1,2-Dichloropropane	<6.3		6.3	0.95	ug/Kg	☼		04/03/14 18:51	1
1,3-Dichloropropene, Total	<6.3		6.3	0.82	ug/Kg	☼		04/03/14 18:51	1
Ethylbenzene	<6.3		6.3	1.3	ug/Kg	☼		04/03/14 18:51	1
2-Hexanone	<6.3		6.3	1.8	ug/Kg	☼		04/03/14 18:51	1
Methylene Chloride	<6.3		6.3	1.7	ug/Kg	☼		04/03/14 18:51	1
Methyl Ethyl Ketone	<6.3		6.3	2.3	ug/Kg	☼		04/03/14 18:51	1
methyl isobutyl ketone	<6.3		6.3	1.6	ug/Kg	☼		04/03/14 18:51	1
Methyl tert-butyl ether	<6.3		6.3	1.0	ug/Kg	☼		04/03/14 18:51	1
Styrene	<6.3		6.3	0.82	ug/Kg	☼		04/03/14 18:51	1
1,1,2,2-Tetrachloroethane	<6.3		6.3	1.3	ug/Kg	☼		04/03/14 18:51	1
Tetrachloroethene	<6.3		6.3	0.96	ug/Kg	☼		04/03/14 18:51	1
Toluene	<6.3		6.3	0.88	ug/Kg	☼		04/03/14 18:51	1
trans-1,2-Dichloroethene	<6.3		6.3	0.86	ug/Kg	☼		04/03/14 18:51	1
trans-1,3-Dichloropropene	<6.3		6.3	1.1	ug/Kg	☼		04/03/14 18:51	1
1,1,1-Trichloroethane	<6.3		6.3	0.94	ug/Kg	☼		04/03/14 18:51	1
1,1,2-Trichloroethane	<6.3		6.3	0.85	ug/Kg	☼		04/03/14 18:51	1
Trichloroethene	<6.3		6.3	1.0	ug/Kg	☼		04/03/14 18:51	1
Vinyl chloride	<6.3		6.3	1.3	ug/Kg	☼		04/03/14 18:51	1
Xylenes, Total	<13		13	0.57	ug/Kg	☼		04/03/14 18:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*117*		*70 - 122*		*04/03/14 18:51*	*1*
Dibromofluoromethane	*118*		*75 - 120*		*04/03/14 18:51*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 134*		*04/03/14 18:51*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*04/03/14 18:51*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74346-1

Client Sample ID: IC-2(4-8)-040214
Date Collected: 04/02/14 10:40
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-8
Matrix: Solid
Percent Solids: 79.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	91	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
2,4-Dinitrophenol	<800		800	700	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
2,6-Dinitrotoluene	<200		200	78	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
2-Methylnaphthalene	**13**	**J**	40	7.3	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
2-Methylphenol	<200		200	64	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
2-Nitrophenol	<400		400	94	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
3 & 4 Methylphenol	<200		200	66	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
4-Chloroaniline	<800		800	190	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
4-Nitrophenol	<800		800	380	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Acenaphthylene	**8.2**	**J**	40	5.3	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Anthracene	**15**	**J**	40	6.7	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Benzo[a]anthracene	**52**		40	5.4	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Benzo[a]pyrene	**55**		40	7.7	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Benzo[b]fluoranthene	**76**		40	8.6	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Benzo[g,h,i]perylene	**45**		40	13	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Benzo[k]fluoranthene	**34**	**J**	40	12	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Carbazole	<200		200	100	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Chrysene	**73**		40	11	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Dibenz(a,h)anthracene	**11**	**J**	40	7.7	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Dibenzofuran	<200		200	47	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Fluoranthene	**96**		40	7.4	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Fluorene	**8.7**	**J**	40	5.6	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Hexachlorobenzene	<80		80	9.2	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Hexachlorocyclopentadiene	<800		800	230	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Hexachloroethane	<200		200	61	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74346-1

Client Sample ID: IC-2(4-8)-040214
Date Collected: 04/02/14 10:40
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-8
Matrix: Solid
Percent Solids: 79.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	39	J	40	10	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Isophorone	<200		200	45	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Naphthalene	11	J	40	6.1	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Nitrobenzene	<40		40	9.9	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Pentachlorophenol	<800		800	640	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Phenanthrene	76		40	5.6	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Phenol	<200		200	89	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1
Pyrene	140		40	7.9	ug/Kg	☼	04/04/14 17:52	04/07/14 16:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*61*		*35 - 137*	*04/04/14 17:52*	*04/07/14 16:16*	*1*
2-Fluorobiphenyl	*51*		*25 - 119*	*04/04/14 17:52*	*04/07/14 16:16*	*1*
2-Fluorophenol	*44*		*25 - 110*	*04/04/14 17:52*	*04/07/14 16:16*	*1*
Nitrobenzene-d5	*37*		*25 - 115*	*04/04/14 17:52*	*04/07/14 16:16*	*1*
Phenol-d5	*49*		*31 - 110*	*04/04/14 17:52*	*04/07/14 16:16*	*1*
Terphenyl-d14	*88*		*36 - 134*	*04/04/14 17:52*	*04/07/14 16:16*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/08/14 08:30	04/09/14 04:19	1
Barium	0.72		0.50	0.050	mg/L		04/08/14 08:30	04/09/14 04:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/14 08:30	04/09/14 04:19	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/14 08:30	04/09/14 04:19	1
Chromium	<0.025		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 04:19	1
Cobalt	0.013	J	0.025	0.010	mg/L		04/08/14 08:30	04/09/14 04:19	1
Copper	0.012	J	0.025	0.010	mg/L		04/08/14 08:30	04/09/14 04:19	1
Iron	<0.20		0.20	0.20	mg/L		04/08/14 08:30	04/09/14 04:19	1
Lead	0.0083		0.0075	0.0075	mg/L		04/11/14 08:30	04/11/14 23:48	1
Manganese	4.2		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 04:19	1
Nickel	0.015	J	0.025	0.010	mg/L		04/08/14 08:30	04/09/14 04:19	1
Selenium	<0.050		0.050	0.010	mg/L		04/08/14 08:30	04/09/14 04:19	1
Silver	<0.025		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 04:19	1
Zinc	0.20		0.10	0.020	mg/L		04/08/14 08:30	04/09/14 04:19	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/08/14 09:00	04/08/14 20:27	1
Barium	0.55		0.50	0.050	mg/L		04/08/14 09:00	04/08/14 20:27	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/14 09:00	04/08/14 20:27	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/14 09:00	04/08/14 20:27	1
Chromium	0.010	J	0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:27	1
Cobalt	<0.025		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:27	1
Copper	0.019	J	0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:27	1
Iron	6.9		0.20	0.20	mg/L		04/08/14 09:00	04/08/14 20:27	1
Lead	0.013		0.0075	0.0075	mg/L		04/08/14 09:00	04/08/14 20:27	1
Manganese	0.18		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:27	1
Nickel	<0.025		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:27	1
Selenium	<0.050		0.050	0.010	mg/L		04/08/14 09:00	04/09/14 21:11	1

Client Sample ID: IC-2(4-8)-040214
Date Collected: 04/02/14 10:40
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-8
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:27	1
Zinc	**0.46**		0.10	0.020	mg/L		04/08/14 09:00	04/08/14 20:27	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.50	mg/Kg	☼	04/04/14 09:00	04/05/14 01:35	1
Arsenic	**5.3**		0.62	0.12	mg/Kg	☼	04/04/14 09:00	04/05/14 01:35	1
Barium	**81**		0.62	0.067	mg/Kg	☼	04/04/14 09:00	04/05/14 01:35	1
Beryllium	**0.54**		0.25	0.050	mg/Kg	☼	04/04/14 09:00	04/05/14 01:35	1
Cadmium	**1.1**		0.12	0.016	mg/Kg	☼	04/04/14 09:00	04/05/14 01:35	1
Calcium	**55000**	**B**	12	3.4	mg/Kg	☼	04/04/14 09:00	04/05/14 01:35	1
Chromium	**20**		0.62	0.072	mg/Kg	☼	04/04/14 09:00	04/05/14 01:35	1
Cobalt	**9.0**		0.31	0.062	mg/Kg	☼	04/04/14 09:00	04/05/14 01:35	1
Copper	**35**		0.62	0.12	mg/Kg	☼	04/04/14 09:00	04/05/14 01:35	1
Iron	**19000**		12	5.1	mg/Kg	☼	04/04/14 09:00	04/05/14 01:35	1
Lead	**26**	**B**	0.31	0.093	mg/Kg	☼	04/04/14 09:00	04/05/14 01:35	1
Magnesium	**26000**	**B**	6.2	1.3	mg/Kg	☼	04/04/14 09:00	04/05/14 01:35	1
Manganese	**510**		0.62	0.12	mg/Kg	☼	04/04/14 09:00	04/05/14 01:35	1
Nickel	**23**		0.62	0.12	mg/Kg	☼	04/04/14 09:00	04/05/14 01:35	1
Potassium	**2600**		31	1.9	mg/Kg	☼	04/04/14 09:00	04/05/14 01:35	1
Selenium	<0.62		0.62	0.22	mg/Kg	☼	04/04/14 09:00	04/05/14 01:35	1
Silver	**0.15**	**J**	0.31	0.023	mg/Kg	☼	04/04/14 09:00	04/05/14 01:35	1
Sodium	**870**		62	8.3	mg/Kg	☼	04/04/14 09:00	04/05/14 01:35	1
Thallium	**0.54**	**J**	0.62	0.26	mg/Kg	☼	04/04/14 09:00	04/05/14 01:35	1
Vanadium	**19**		0.31	0.046	mg/Kg	☼	04/04/14 09:00	04/05/14 01:35	1
Zinc	**75**		1.2	0.25	mg/Kg	☼	04/04/14 09:00	04/05/14 01:35	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.026**	**J B**	0.20	0.020	ug/L		04/08/14 12:50	04/09/14 12:58	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/08/14 12:50	04/09/14 13:57	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**62**		18	7.2	ug/Kg	☼	04/04/14 13:35	04/07/14 11:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.77**		0.200	0.200	SU			04/07/14 13:40	1

Client Sample ID: IC-6(0-6)-040214
Date Collected: 04/02/14 12:20
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-9
Matrix: Solid
Percent Solids: 85.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		04/03/14 19:14	1
Benzene	<5.8		5.8	0.80	ug/Kg	☼		04/03/14 19:14	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/03/14 19:14	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		04/03/14 19:14	1
Bromomethane	<5.8		5.8	1.8	ug/Kg	☼		04/03/14 19:14	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		04/03/14 19:14	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		04/03/14 19:14	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		04/03/14 19:14	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		04/03/14 19:14	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		04/03/14 19:14	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		04/03/14 19:14	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		04/03/14 19:14	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		04/03/14 19:14	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/03/14 19:14	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		04/03/14 19:14	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		04/03/14 19:14	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		04/03/14 19:14	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		04/03/14 19:14	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		04/03/14 19:14	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		04/03/14 19:14	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		04/03/14 19:14	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		04/03/14 19:14	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		04/03/14 19:14	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		04/03/14 19:14	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		04/03/14 19:14	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		04/03/14 19:14	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		04/03/14 19:14	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		04/03/14 19:14	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		04/03/14 19:14	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		04/03/14 19:14	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		04/03/14 19:14	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		04/03/14 19:14	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		04/03/14 19:14	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		04/03/14 19:14	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		04/03/14 19:14	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/03/14 19:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 122*		*04/03/14 19:14*	*1*
Dibromofluoromethane	*113*		*75 - 120*		*04/03/14 19:14*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*		*04/03/14 19:14*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*04/03/14 19:14*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74346-1

Client Sample ID: IC-6(0-6)-040214
Date Collected: 04/02/14 12:20
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-9
Matrix: Solid
Percent Solids: 85.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	86	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
2,4-Dinitrophenol	<760		760	670	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
2-Methylnaphthalene	**24**	**J**	38	7.0	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
2-Methylphenol	<190		190	61	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
2-Nitrophenol	<380		380	89	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
4,6-Dinitro-2-methylphenol	<380		380	300	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Acenaphthene	<38		38	6.8	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Anthracene	<38		38	6.3	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Benzo[a]anthracene	**16**	**J**	38	5.1	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Benzo[a]pyrene	<38		38	7.3	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Benzo[b]fluoranthene	**29**	**J**	38	8.2	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Benzo[g,h,i]perylene	**32**	**J**	38	12	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Carbazole	<190		190	98	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Chrysene	**30**	**J**	38	10	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Dibenz(a,h)anthracene	<38		38	7.3	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Dibenzofuran	<190		190	44	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Fluoranthene	**29**	**J**	38	7.0	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Fluorene	<38		38	5.3	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Hexachlorobenzene	<76		76	8.8	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Hexachloroethane	<190		190	58	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74346-1

Client Sample ID: IC-6(0-6)-040214
Date Collected: 04/02/14 12:20
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-9
Matrix: Solid
Percent Solids: 85.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	14	J	38	9.8	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Isophorone	<190		190	42	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Naphthalene	<38		38	5.8	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Nitrobenzene	<38		38	9.4	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Phenanthrene	51		38	5.3	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Phenol	<190		190	84	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1
Pyrene	53		38	7.5	ug/Kg	☼	04/04/14 17:52	04/07/14 16:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*76*		*35 - 137*	*04/04/14 17:52*	*04/07/14 16:39*	*1*
2-Fluorobiphenyl	*59*		*25 - 119*	*04/04/14 17:52*	*04/07/14 16:39*	*1*
2-Fluorophenol	*55*		*25 - 110*	*04/04/14 17:52*	*04/07/14 16:39*	*1*
Nitrobenzene-d5	*45*		*25 - 115*	*04/04/14 17:52*	*04/07/14 16:39*	*1*
Phenol-d5	*60*		*31 - 110*	*04/04/14 17:52*	*04/07/14 16:39*	*1*
Terphenyl-d14	*105*		*36 - 134*	*04/04/14 17:52*	*04/07/14 16:39*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/08/14 08:30	04/09/14 04:25	1
Barium	0.34	J	0.50	0.050	mg/L		04/08/14 08:30	04/09/14 04:25	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/14 08:30	04/09/14 04:25	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/14 08:30	04/09/14 04:25	1
Chromium	<0.025		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 04:25	1
Cobalt	<0.025		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 04:25	1
Copper	<0.025		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 04:25	1
Iron	<0.20		0.20	0.20	mg/L		04/08/14 08:30	04/09/14 04:25	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/11/14 08:30	04/11/14 23:54	1
Manganese	1.7		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 04:25	1
Nickel	0.013	J	0.025	0.010	mg/L		04/08/14 08:30	04/09/14 04:25	1
Selenium	<0.050		0.050	0.010	mg/L		04/08/14 08:30	04/09/14 04:25	1
Silver	<0.025		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 04:25	1
Zinc	0.15		0.10	0.020	mg/L		04/08/14 08:30	04/09/14 04:25	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/08/14 09:00	04/08/14 20:31	1
Barium	0.49	J	0.50	0.050	mg/L		04/08/14 09:00	04/08/14 20:31	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/14 09:00	04/08/14 20:31	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/14 09:00	04/08/14 20:31	1
Chromium	<0.025		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:31	1
Cobalt	<0.025		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:31	1
Copper	<0.025		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:31	1
Iron	0.51		0.20	0.20	mg/L		04/08/14 09:00	04/08/14 20:31	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/08/14 09:00	04/08/14 20:31	1
Manganese	0.010	J	0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:31	1
Nickel	<0.025		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:31	1
Selenium	<0.050		0.050	0.010	mg/L		04/08/14 09:00	04/09/14 21:15	1

Client Sample ID: IC-6(0-6)-040214
Date Collected: 04/02/14 12:20
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-9
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:31	1
Zinc	**0.48**		0.10	0.020	mg/L		04/08/14 09:00	04/08/14 20:31	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.46	mg/Kg	☼	04/04/14 09:00	04/05/14 01:41	1
Arsenic	**6.8**		0.57	0.11	mg/Kg	☼	04/04/14 09:00	04/05/14 01:41	1
Barium	**52**		0.57	0.061	mg/Kg	☼	04/04/14 09:00	04/05/14 01:41	1
Beryllium	**0.55**		0.23	0.045	mg/Kg	☼	04/04/14 09:00	04/05/14 01:41	1
Cadmium	**0.58**		0.11	0.014	mg/Kg	☼	04/04/14 09:00	04/05/14 01:41	1
Calcium	**48000**	**B**	11	3.1	mg/Kg	☼	04/04/14 09:00	04/05/14 01:41	1
Chromium	**18**		0.57	0.066	mg/Kg	☼	04/04/14 09:00	04/05/14 01:41	1
Cobalt	**9.8**		0.28	0.057	mg/Kg	☼	04/04/14 09:00	04/05/14 01:41	1
Copper	**25**		0.57	0.11	mg/Kg	☼	04/04/14 09:00	04/05/14 01:41	1
Iron	**19000**		11	4.7	mg/Kg	☼	04/04/14 09:00	04/05/14 01:41	1
Lead	**30**	**B**	0.28	0.085	mg/Kg	☼	04/04/14 09:00	04/05/14 01:41	1
Magnesium	**23000**	**B**	5.7	1.2	mg/Kg	☼	04/04/14 09:00	04/05/14 01:41	1
Manganese	**340**		0.57	0.11	mg/Kg	☼	04/04/14 09:00	04/05/14 01:41	1
Nickel	**25**		0.57	0.11	mg/Kg	☼	04/04/14 09:00	04/05/14 01:41	1
Potassium	**2900**		28	1.7	mg/Kg	☼	04/04/14 09:00	04/05/14 01:41	1
Selenium	<0.57		0.57	0.20	mg/Kg	☼	04/04/14 09:00	04/05/14 01:41	1
Silver	<0.28		0.28	0.021	mg/Kg	☼	04/04/14 09:00	04/05/14 01:41	1
Sodium	**1800**		57	7.6	mg/Kg	☼	04/04/14 09:00	04/05/14 01:41	1
Thallium	**0.35**	**J**	0.57	0.24	mg/Kg	☼	04/04/14 09:00	04/05/14 01:41	1
Vanadium	**21**		0.28	0.042	mg/Kg	☼	04/04/14 09:00	04/05/14 01:41	1
Zinc	**58**		1.1	0.23	mg/Kg	☼	04/04/14 09:00	04/05/14 01:41	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.026**	**J B**	0.20	0.020	ug/L		04/08/14 12:50	04/09/14 13:02	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.021**	**J B**	0.20	0.020	ug/L		04/08/14 12:50	04/09/14 13:59	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**28**		18	7.1	ug/Kg	☼	04/04/14 13:35	04/07/14 11:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.32**		0.200	0.200	SU			04/07/14 13:42	1

Client Sample ID: IC-6(6-12)-040214
Date Collected: 04/02/14 12:30
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-10
Matrix: Solid
Percent Solids: 85.3

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.7		5.9	2.5	ug/Kg	☼		04/03/14 19:37	1
Benzene	<5.9		5.9	0.80	ug/Kg	☼		04/03/14 19:37	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/03/14 19:37	1
Bromoform	<5.9		5.9	1.3	ug/Kg	☼		04/03/14 19:37	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		04/03/14 19:37	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	☼		04/03/14 19:37	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		04/03/14 19:37	1
Chlorobenzene	<5.9		5.9	0.59	ug/Kg	☼		04/03/14 19:37	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		04/03/14 19:37	1
Chloroform	<5.9		5.9	0.67	ug/Kg	☼		04/03/14 19:37	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		04/03/14 19:37	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	☼		04/03/14 19:37	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	☼		04/03/14 19:37	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/03/14 19:37	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		04/03/14 19:37	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		04/03/14 19:37	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		04/03/14 19:37	1
1,2-Dichloropropane	<5.9		5.9	0.89	ug/Kg	☼		04/03/14 19:37	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	☼		04/03/14 19:37	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		04/03/14 19:37	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		04/03/14 19:37	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		04/03/14 19:37	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		04/03/14 19:37	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		04/03/14 19:37	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	☼		04/03/14 19:37	1
Styrene	<5.9		5.9	0.77	ug/Kg	☼		04/03/14 19:37	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		04/03/14 19:37	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	☼		04/03/14 19:37	1
Toluene	<5.9		5.9	0.82	ug/Kg	☼		04/03/14 19:37	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		04/03/14 19:37	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		04/03/14 19:37	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/03/14 19:37	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	☼		04/03/14 19:37	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		04/03/14 19:37	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		04/03/14 19:37	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/03/14 19:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*107*		*70 - 122*		*04/03/14 19:37*	*1*
Dibromofluoromethane	*110*		*75 - 120*		*04/03/14 19:37*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*04/03/14 19:37*	*1*
Toluene-d8 (Surr)	*97*		*75 - 122*		*04/03/14 19:37*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74346-1

Client Sample ID: IC-6(6-12)-040214
Date Collected: 04/02/14 12:30
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-10
Matrix: Solid
Percent Solids: 85.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
2-Methylnaphthalene	**17**	**J**	38	7.1	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
2-Methylphenol	<190		190	62	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Anthracene	<38		38	6.4	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Benzo[a]anthracene	**8.1**	**J**	38	5.2	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Benzo[a]pyrene	<38		38	7.5	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Benzo[b]fluoranthene	**14**	**J**	38	8.3	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Benzo[g,h,i]perylene	<38		38	12	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Carbazole	<190		190	100	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Chrysene	**17**	**J**	38	11	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Dibenz(a,h)anthracene	<38		38	7.5	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Dibenzofuran	<190		190	45	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Fluoranthene	**13**	**J**	38	7.2	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Fluorene	<38		38	5.4	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Hexachloroethane	<190		190	59	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74346-1

Client Sample ID: IC-6(6-12)-040214
Date Collected: 04/02/14 12:30
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-10
Matrix: Solid
Percent Solids: 85.3

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<38		38	10	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Isophorone	<190		190	43	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Naphthalene	<38		38	5.9	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Phenanthrene	**28**	**J**	38	5.4	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Phenol	<190		190	86	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1
Pyrene	**27**	**J**	38	7.7	ug/Kg	☼	04/04/14 17:52	04/07/14 17:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*72*		*35 - 137*	*04/04/14 17:52*	*04/07/14 17:02*	*1*
2-Fluorobiphenyl	*61*		*25 - 119*	*04/04/14 17:52*	*04/07/14 17:02*	*1*
2-Fluorophenol	*48*		*25 - 110*	*04/04/14 17:52*	*04/07/14 17:02*	*1*
Nitrobenzene-d5	*47*		*25 - 115*	*04/04/14 17:52*	*04/07/14 17:02*	*1*
Phenol-d5	*57*		*31 - 110*	*04/04/14 17:52*	*04/07/14 17:02*	*1*
Terphenyl-d14	*107*		*36 - 134*	*04/04/14 17:52*	*04/07/14 17:02*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/08/14 08:30	04/09/14 04:32	1
Barium	**0.58**		0.50	0.050	mg/L		04/08/14 08:30	04/09/14 04:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/14 08:30	04/09/14 04:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/14 08:30	04/09/14 04:32	1
Chromium	<0.025		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 04:32	1
Cobalt	**0.027**		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 04:32	1
Copper	<0.025		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 04:32	1
Iron	<0.20		0.20	0.20	mg/L		04/08/14 08:30	04/09/14 04:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/11/14 08:30	04/12/14 00:00	1
Manganese	**4.5**		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 04:32	1
Nickel	**0.033**		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 04:32	1
Selenium	<0.050		0.050	0.010	mg/L		04/08/14 08:30	04/09/14 04:32	1
Silver	<0.025		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 04:32	1
Zinc	**0.14**		0.10	0.020	mg/L		04/08/14 08:30	04/09/14 04:32	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/08/14 09:00	04/08/14 20:35	1
Barium	**0.39**	**J**	0.50	0.050	mg/L		04/08/14 09:00	04/08/14 20:35	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/14 09:00	04/08/14 20:35	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/14 09:00	04/08/14 20:35	1
Chromium	**0.012**	**J**	0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:35	1
Cobalt	<0.025		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:35	1
Copper	**0.014**	**J**	0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:35	1
Iron	**7.2**		0.20	0.20	mg/L		04/08/14 09:00	04/08/14 20:35	1
Lead	**0.0087**		0.0075	0.0075	mg/L		04/08/14 09:00	04/08/14 20:35	1
Manganese	**0.17**		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:35	1
Nickel	<0.025		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:35	1
Selenium	<0.050		0.050	0.010	mg/L		04/08/14 09:00	04/09/14 21:19	1

Client Sample ID: IC-6(6-12)-040214
Date Collected: 04/02/14 12:30
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-10
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:35	1
Zinc	**0.25**		0.10	0.020	mg/L		04/08/14 09:00	04/08/14 20:35	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.48	mg/Kg	☼	04/04/14 09:00	04/05/14 01:47	1
Arsenic	**9.4**		0.59	0.12	mg/Kg	☼	04/04/14 09:00	04/05/14 01:47	1
Barium	**67**		0.59	0.064	mg/Kg	☼	04/04/14 09:00	04/05/14 01:47	1
Beryllium	**0.67**		0.24	0.047	mg/Kg	☼	04/04/14 09:00	04/05/14 01:47	1
Cadmium	**0.88**		0.12	0.015	mg/Kg	☼	04/04/14 09:00	04/05/14 01:47	1
Calcium	**82000**	**B**	120	32	mg/Kg	☼	04/04/14 09:00	04/10/14 01:11	10
Chromium	**22**		0.59	0.069	mg/Kg	☼	04/04/14 09:00	04/05/14 01:47	1
Cobalt	**13**		0.30	0.059	mg/Kg	☼	04/04/14 09:00	04/05/14 01:47	1
Copper	**32**		0.59	0.12	mg/Kg	☼	04/04/14 09:00	04/05/14 01:47	1
Iron	**25000**		12	4.9	mg/Kg	☼	04/04/14 09:00	04/05/14 01:47	1
Lead	**15**	**B**	0.30	0.088	mg/Kg	☼	04/04/14 09:00	04/05/14 01:47	1
Magnesium	**32000**	**B**	5.9	1.2	mg/Kg	☼	04/04/14 09:00	04/05/14 01:47	1
Manganese	**510**		0.59	0.12	mg/Kg	☼	04/04/14 09:00	04/05/14 01:47	1
Nickel	**33**		0.59	0.12	mg/Kg	☼	04/04/14 09:00	04/05/14 01:47	1
Potassium	**3800**		30	1.8	mg/Kg	☼	04/04/14 09:00	04/05/14 01:47	1
Selenium	<0.59		0.59	0.21	mg/Kg	☼	04/04/14 09:00	04/05/14 01:47	1
Silver	**0.021**	**J**	0.30	0.021	mg/Kg	☼	04/04/14 09:00	04/05/14 01:47	1
Sodium	**730**		59	8.0	mg/Kg	☼	04/04/14 09:00	04/05/14 01:47	1
Thallium	**0.54**	**J**	0.59	0.25	mg/Kg	☼	04/04/14 09:00	04/05/14 01:47	1
Vanadium	**25**		0.30	0.044	mg/Kg	☼	04/04/14 09:00	04/05/14 01:47	1
Zinc	**51**		1.2	0.24	mg/Kg	☼	04/04/14 09:00	04/05/14 01:47	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.022**	**J B**	0.20	0.020	ug/L		04/08/14 12:50	04/09/14 13:05	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.033**	**J B**	0.20	0.020	ug/L		04/08/14 12:50	04/09/14 14:02	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**28**		17	6.6	ug/Kg	☼	04/04/14 13:35	04/07/14 11:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.89**		0.200	0.200	SU			04/07/14 13:45	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74346-1

Client Sample ID: IC-6(6-12)-040214D
Date Collected: 04/02/14 12:30
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-11
Matrix: Solid
Percent Solids: 87.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.7		5.7	2.5	ug/Kg	☼		04/03/14 20:00	1
Benzene	<5.7		5.7	0.79	ug/Kg	☼		04/03/14 20:00	1
Bromodichloromethane	<5.7		5.7	0.99	ug/Kg	☼		04/03/14 20:00	1
Bromoform	<5.7		5.7	1.3	ug/Kg	☼		04/03/14 20:00	1
Bromomethane	<5.7		5.7	1.7	ug/Kg	☼		04/03/14 20:00	1
Carbon disulfide	<5.7		5.7	0.86	ug/Kg	☼		04/03/14 20:00	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	☼		04/03/14 20:00	1
Chlorobenzene	<5.7		5.7	0.58	ug/Kg	☼		04/03/14 20:00	1
Chloroethane	<5.7		5.7	1.6	ug/Kg	☼		04/03/14 20:00	1
Chloroform	<5.7		5.7	0.66	ug/Kg	☼		04/03/14 20:00	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	☼		04/03/14 20:00	1
cis-1,2-Dichloroethene	<5.7		5.7	0.81	ug/Kg	☼		04/03/14 20:00	1
cis-1,3-Dichloropropene	<5.7		5.7	0.75	ug/Kg	☼		04/03/14 20:00	1
Dibromochloromethane	<5.7		5.7	1.0	ug/Kg	☼		04/03/14 20:00	1
1,1-Dichloroethane	<5.7		5.7	0.91	ug/Kg	☼		04/03/14 20:00	1
1,2-Dichloroethane	<5.7		5.7	0.85	ug/Kg	☼		04/03/14 20:00	1
1,1-Dichloroethene	<5.7		5.7	0.93	ug/Kg	☼		04/03/14 20:00	1
1,2-Dichloropropane	<5.7		5.7	0.87	ug/Kg	☼		04/03/14 20:00	1
1,3-Dichloropropene, Total	<5.7		5.7	0.75	ug/Kg	☼		04/03/14 20:00	1
Ethylbenzene	<5.7		5.7	1.2	ug/Kg	☼		04/03/14 20:00	1
2-Hexanone	<5.7		5.7	1.7	ug/Kg	☼		04/03/14 20:00	1
Methylene Chloride	<5.7		5.7	1.5	ug/Kg	☼		04/03/14 20:00	1
Methyl Ethyl Ketone	<5.7		5.7	2.1	ug/Kg	☼		04/03/14 20:00	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	☼		04/03/14 20:00	1
Methyl tert-butyl ether	<5.7		5.7	0.95	ug/Kg	☼		04/03/14 20:00	1
Styrene	<5.7		5.7	0.75	ug/Kg	☼		04/03/14 20:00	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	1.2	ug/Kg	☼		04/03/14 20:00	1
Tetrachloroethene	<5.7		5.7	0.88	ug/Kg	☼		04/03/14 20:00	1
Toluene	<5.7		5.7	0.80	ug/Kg	☼		04/03/14 20:00	1
trans-1,2-Dichloroethene	<5.7		5.7	0.79	ug/Kg	☼		04/03/14 20:00	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	☼		04/03/14 20:00	1
1,1,1-Trichloroethane	<5.7		5.7	0.86	ug/Kg	☼		04/03/14 20:00	1
1,1,2-Trichloroethane	<5.7		5.7	0.78	ug/Kg	☼		04/03/14 20:00	1
Trichloroethene	<5.7		5.7	0.95	ug/Kg	☼		04/03/14 20:00	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	☼		04/03/14 20:00	1
Xylenes, Total	<11		11	0.52	ug/Kg	☼		04/03/14 20:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 122*		*04/03/14 20:00*	*1*
Dibromofluoromethane	*117*		*75 - 120*		*04/03/14 20:00*	*1*
1,2-Dichloroethane-d4 (Surr)	*112*		*70 - 134*		*04/03/14 20:00*	*1*
Toluene-d8 (Surr)	*96*		*75 - 122*		*04/03/14 20:00*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74346-1

Client Sample ID: IC-6(6-12)-040214D
Date Collected: 04/02/14 12:30
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-11
Matrix: Solid
Percent Solids: 87.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
2,4-Dinitrophenol	<740		740	640	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
2-Methylnaphthalene	**30**	**J**	36	6.7	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
2-Methylphenol	<180		180	59	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Acenaphthene	**9.5**	**J**	36	6.6	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Anthracene	**30**	**J**	36	6.1	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Benzo[a]anthracene	**80**		36	4.9	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Benzo[a]pyrene	**78**		36	7.1	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Benzo[b]fluoranthene	**120**		36	7.9	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Benzo[g,h,i]perylene	**67**		36	12	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Benzo[k]fluoranthene	**43**		36	11	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Carbazole	<180		180	94	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Chrysene	**99**		36	10	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Dibenz(a,h)anthracene	**14**	**J**	36	7.1	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Dibenzofuran	<180		180	43	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Fluoranthene	**160**		36	6.8	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Fluorene	**16**	**J**	36	5.1	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Hexachloroethane	<180		180	56	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74346-1

Client Sample ID: IC-6(6-12)-040214D
Date Collected: 04/02/14 12:30
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-11
Matrix: Solid
Percent Solids: 87.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	47		36	9.5	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Isophorone	<180		180	41	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Naphthalene	17	J	36	5.6	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
N-Nitrosodi-n-propylamine	<180		180	45	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Phenanthrene	130		36	5.1	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Phenol	<180		180	81	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1
Pyrene	240		36	7.3	ug/Kg	☼	04/04/14 17:52	04/07/14 17:24	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*47*		*35 - 137*	*04/04/14 17:52*	*04/07/14 17:24*	*1*
2-Fluorobiphenyl	*39*		*25 - 119*	*04/04/14 17:52*	*04/07/14 17:24*	*1*
2-Fluorophenol	*28*		*25 - 110*	*04/04/14 17:52*	*04/07/14 17:24*	*1*
Nitrobenzene-d5	*26*		*25 - 115*	*04/04/14 17:52*	*04/07/14 17:24*	*1*
Phenol-d5	*33*		*31 - 110*	*04/04/14 17:52*	*04/07/14 17:24*	*1*
Terphenyl-d14	*83*		*36 - 134*	*04/04/14 17:52*	*04/07/14 17:24*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/08/14 08:30	04/09/14 04:38	1
Barium	0.51		0.50	0.050	mg/L		04/08/14 08:30	04/09/14 04:38	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/14 08:30	04/09/14 04:38	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		04/08/14 08:30	04/09/14 04:38	1
Chromium	<0.025		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 04:38	1
Cobalt	0.025		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 04:38	1
Copper	0.012	J	0.025	0.010	mg/L		04/08/14 08:30	04/09/14 04:38	1
Iron	<0.20		0.20	0.20	mg/L		04/08/14 08:30	04/09/14 04:38	1
Lead	0.046		0.0075	0.0075	mg/L		04/11/14 08:30	04/12/14 00:21	1
Manganese	2.8		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 04:38	1
Nickel	0.034		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 04:38	1
Selenium	<0.050		0.050	0.010	mg/L		04/08/14 08:30	04/09/14 04:38	1
Silver	<0.025		0.025	0.010	mg/L		04/08/14 08:30	04/09/14 04:38	1
Zinc	0.22		0.10	0.020	mg/L		04/08/14 08:30	04/09/14 04:38	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.010	J	0.050	0.010	mg/L		04/08/14 09:00	04/08/14 20:39	1
Barium	0.69		0.50	0.050	mg/L		04/08/14 09:00	04/08/14 20:39	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/08/14 09:00	04/08/14 20:39	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/08/14 09:00	04/08/14 20:39	1
Chromium	0.030		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:39	1
Cobalt	0.010	J	0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:39	1
Copper	0.038		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:39	1
Iron	22		0.20	0.20	mg/L		04/08/14 09:00	04/08/14 20:39	1
Lead	0.035		0.0075	0.0075	mg/L		04/08/14 09:00	04/08/14 20:39	1
Manganese	0.30		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:39	1
Nickel	0.029		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:39	1
Selenium	<0.050		0.050	0.010	mg/L		04/08/14 09:00	04/09/14 21:23	1

Client Sample ID: IC-6(6-12)-040214D
Date Collected: 04/02/14 12:30
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74346-11
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/08/14 09:00	04/08/14 20:39	1
Zinc	**0.57**		0.10	0.020	mg/L		04/08/14 09:00	04/08/14 20:39	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.46	mg/Kg	☼	04/04/14 09:00	04/05/14 01:54	1
Arsenic	**7.0**		0.57	0.11	mg/Kg	☼	04/04/14 09:00	04/05/14 01:54	1
Barium	**40**		0.57	0.061	mg/Kg	☼	04/04/14 09:00	04/05/14 01:54	1
Beryllium	**0.49**		0.23	0.046	mg/Kg	☼	04/04/14 09:00	04/05/14 01:54	1
Cadmium	**0.59**		0.11	0.015	mg/Kg	☼	04/04/14 09:00	04/05/14 01:54	1
Calcium	**66000**	**B**	110	31	mg/Kg	☼	04/04/14 09:00	04/10/14 01:17	10
Chromium	**17**		0.57	0.066	mg/Kg	☼	04/04/14 09:00	04/05/14 01:54	1
Cobalt	**8.3**		0.29	0.057	mg/Kg	☼	04/04/14 09:00	04/05/14 01:54	1
Copper	**31**		0.57	0.11	mg/Kg	☼	04/04/14 09:00	04/05/14 01:54	1
Iron	**19000**		11	4.7	mg/Kg	☼	04/04/14 09:00	04/05/14 01:54	1
Lead	**27**	**B**	0.29	0.085	mg/Kg	☼	04/04/14 09:00	04/05/14 01:54	1
Magnesium	**29000**	**B**	5.7	1.2	mg/Kg	☼	04/04/14 09:00	04/05/14 01:54	1
Manganese	**290**		0.57	0.11	mg/Kg	☼	04/04/14 09:00	04/05/14 01:54	1
Nickel	**24**		0.57	0.11	mg/Kg	☼	04/04/14 09:00	04/05/14 01:54	1
Potassium	**2900**		29	1.7	mg/Kg	☼	04/04/14 09:00	04/05/14 01:54	1
Selenium	<0.57		0.57	0.20	mg/Kg	☼	04/04/14 09:00	04/05/14 01:54	1
Silver	**0.031**	**J**	0.29	0.021	mg/Kg	☼	04/04/14 09:00	04/05/14 01:54	1
Sodium	**1100**		57	7.7	mg/Kg	☼	04/04/14 09:00	04/05/14 01:54	1
Thallium	**0.36**	**J**	0.57	0.24	mg/Kg	☼	04/04/14 09:00	04/05/14 01:54	1
Vanadium	**19**		0.29	0.042	mg/Kg	☼	04/04/14 09:00	04/05/14 01:54	1
Zinc	**58**		1.1	0.23	mg/Kg	☼	04/04/14 09:00	04/05/14 01:54	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.032**	**J B**	0.20	0.020	ug/L		04/08/14 12:50	04/09/14 13:07	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.058**	**J B**	0.20	0.020	ug/L		04/08/14 12:50	04/09/14 14:04	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**29**		18	6.9	ug/Kg	☼	04/04/14 13:35	04/07/14 11:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.03**		0.200	0.200	SU			04/07/14 13:47	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74346-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENT

2417 Bond Street, University Park, IL
Phone: 708.534.5200 Fax: 708.5

500-74346 COC

(optional)
Report To
Contact: S. Babusukumar
Company: Weston
Address: 750 E. Bunker Ct, Suite500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax:
E-Mail:

(optional)
Bill To
Contact:
Company:
Address: SAME
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74346
Chain of Custody Number:
Page 1 of 2
Temperature °C of Cooler: 3.8

Client: Weston
Client Project #:
Project Name: IDOT- 050[redacted]
Project Location/State: McCook IL
Lab Project #:
Sampler: Dan Cukierski
Lab PM:

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SAP Metals	pH	Total Aluminum				Comments
1		RE4-4(0-2)-040214	4/2/14	0820	2	S		X	X	X	X	X					
2		RE4-4(0-2)-040214D	4/2/14	0820	2	S		X	X	X	X	X					
3		RE4-5(0-2)-040214	4/2/14	0830	2	S		X	X	X	X	X					RE4-5(0-2)-040214
4		RE4-6(0-2)-040214	4/2/14	0845	2	S		X	X	X	X	X					
5		171-5(0-4.3)-040214	4/2/14	0915	2	S		X	X	X	X	X					
6		IP-12(0-4)-040214	4/2/14	0950	2	S		X	X	X	X	X	X				
7		IC-2(0-4)-040214	4/2/14	1035	2	S		X	X	X	X	X					
8		IC-2(4-8)-040214	4/2/14	1040	2	S		X	X	X	X	X					
9		IC-6(0-6)-040214	4/2/14	1220	2	S		X	X	X	X	X					
10		IC-6(6-12)-040214	4/2/14	1230	2	S		X	X	X	X	X					

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston	4/2/14	1530	[signature]	TA	4/2/14	1530
[signature]	TA	4/2/14	1625	[signature]	TA-CHI	4/3/14	0630
							0730

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TAL-4124-500 (1209)

4/14/2014

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)
Report To
Contact: S. Babusukumar
Company: Weston
Address: 750 E. Bunker Ct Suite 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax:
E-Mail:

(optional)
Bill To
Contact:
Company:
Address:
Address: SAME
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74346
Chain of Custody Number:
Page 2 of 2
Temperature °C of Cooler: 3.8

Client: Weston
Client Project #:
Project Name: IDOT-050
Project Location/State: McCook, IL
Lab Project #:
Sampler: Don Cukierski
Lab PM:

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
11		IC-6 (6-12)-040214D	4/2/14	1230	2	S	X	X	X	X	X					
12		IC-1 (0-6)-040214	4/2/14	1240	2	S	X	X	X	X	X					
13		IC-1 (6-12)-040214	4/2/14	1245	2	S	X	X	X	X	X					

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ____ Months (A fee may be assessed if samples are retained longer than 1 month)

	Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1		Weston	4/2/14	1530		TA	4/3/14	1530
2		TA	4/2/14	1625		TA-CHI	4/3/14	0730
3								

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-74266-1
Client Project/Site: IDOT - Lyons, McCook, Summit - 050

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar

Authorized for release by:
4/9/2014 11:05:28 AM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

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This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client Sample ID: IC-16(0-4)-040114
Date Collected: 04/01/14 15:10
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-3
Matrix: Solid
Percent Solids: 83.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		04/03/14 14:19	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		04/03/14 14:19	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/03/14 14:19	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		04/03/14 14:19	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		04/03/14 14:19	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		04/03/14 14:19	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		04/03/14 14:19	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		04/03/14 14:19	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		04/03/14 14:19	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		04/03/14 14:19	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		04/03/14 14:19	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		04/03/14 14:19	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		04/03/14 14:19	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/03/14 14:19	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		04/03/14 14:19	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/03/14 14:19	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		04/03/14 14:19	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		04/03/14 14:19	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		04/03/14 14:19	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		04/03/14 14:19	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		04/03/14 14:19	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		04/03/14 14:19	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		04/03/14 14:19	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		04/03/14 14:19	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		04/03/14 14:19	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		04/03/14 14:19	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/03/14 14:19	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		04/03/14 14:19	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		04/03/14 14:19	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	☼		04/03/14 14:19	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		04/03/14 14:19	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		04/03/14 14:19	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		04/03/14 14:19	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		04/03/14 14:19	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		04/03/14 14:19	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		04/03/14 14:19	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 122*		*04/03/14 14:19*	*1*
Dibromofluoromethane	*118*		*75 - 120*		*04/03/14 14:19*	*1*
1,2-Dichloroethane-d4 (Surr)	*109*		*70 - 134*		*04/03/14 14:19*	*1*
Toluene-d8 (Surr)	*95*		*75 - 122*		*04/03/14 14:19*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74266-1

Client Sample ID: IC-16(0-4)-040114
Date Collected: 04/01/14 15:10
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-3
Matrix: Solid
Percent Solids: 83.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
2-Methylnaphthalene	**14**	**J**	38	7.1	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
2-Methylphenol	<190		190	62	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Anthracene	**22**	**J**	38	6.4	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Benzo[a]anthracene	**79**		38	5.2	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Benzo[a]pyrene	**87**		38	7.5	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Benzo[b]fluoranthene	**110**		38	8.3	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Benzo[g,h,i]perylene	**70**		38	12	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Benzo[k]fluoranthene	**49**		38	11	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Carbazole	<190		190	99	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Chrysene	**110**		38	11	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Dibenz(a,h)anthracene	**31**	**J**	38	7.4	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Dibenzofuran	<190		190	45	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Fluoranthene	**160**		38	7.1	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Fluorene	<38		38	5.4	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Hexachloroethane	<190		190	59	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1

Client Sample ID: IC-16(0-4)-040114
Date Collected: 04/01/14 15:10
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-3
Matrix: Solid
Percent Solids: 83.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	55		38	10	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Isophorone	<190		190	43	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Naphthalene	<38		38	5.9	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Phenanthrene	84		38	5.4	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Phenol	<190		190	86	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1
Pyrene	130		38	7.7	ug/Kg	☼	04/03/14 18:14	04/04/14 18:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*62*		*35 - 137*	*04/03/14 18:14*	*04/04/14 18:22*	*1*
2-Fluorobiphenyl	*49*		*25 - 119*	*04/03/14 18:14*	*04/04/14 18:22*	*1*
2-Fluorophenol	*44*		*25 - 110*	*04/03/14 18:14*	*04/04/14 18:22*	*1*
Nitrobenzene-d5	*44*		*25 - 115*	*04/03/14 18:14*	*04/04/14 18:22*	*1*
Phenol-d5	*43*		*31 - 110*	*04/03/14 18:14*	*04/04/14 18:22*	*1*
Terphenyl-d14	*79*		*36 - 134*	*04/03/14 18:14*	*04/04/14 18:22*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/08/14 02:13	1
Barium	0.48	J	0.50	0.050	mg/L		04/07/14 07:30	04/08/14 02:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 07:30	04/08/14 02:13	1
Cadmium	0.0053		0.0050	0.0020	mg/L		04/07/14 07:30	04/08/14 02:13	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:13	1
Cobalt	0.013	J	0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:13	1
Copper	0.011	J	0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:13	1
Iron	<0.20		0.20	0.20	mg/L		04/07/14 07:30	04/08/14 02:13	1
Lead	0.0083		0.0075	0.0075	mg/L		04/07/14 07:30	04/08/14 02:13	1
Manganese	2.4		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:13	1
Nickel	0.015	J	0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:13	1
Selenium	0.012	J	0.050	0.010	mg/L		04/07/14 07:30	04/08/14 02:13	1
Silver	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:13	1
Zinc	0.17		0.10	0.020	mg/L		04/07/14 07:30	04/08/14 02:13	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/14 16:00	04/07/14 13:24	1
Barium	0.14	J B	0.50	0.050	mg/L		04/04/14 16:00	04/07/14 13:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/14 16:00	04/07/14 13:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/14 16:00	04/07/14 13:24	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:24	1
Cobalt	<0.025		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:24	1
Copper	0.014	J B	0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:24	1
Iron	0.25		0.20	0.20	mg/L		04/04/14 16:00	04/07/14 13:24	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/04/14 16:00	04/07/14 13:24	1
Manganese	0.011	J B	0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:24	1
Nickel	<0.025		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:24	1
Selenium	<0.050		0.050	0.010	mg/L		04/04/14 16:00	04/07/14 13:24	1

Client Sample ID: IC-16(0-4)-040114
Date Collected: 04/01/14 15:10
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-3
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:24	1
Zinc	**0.094**	**J B**	0.10	0.020	mg/L		04/04/14 16:00	04/07/14 13:24	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.73**	**J**	1.1	0.46	mg/Kg	☼	04/03/14 08:00	04/04/14 04:34	1
Arsenic	**7.9**		0.57	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 04:34	1
Barium	**84**		0.57	0.061	mg/Kg	☼	04/03/14 08:00	04/04/14 04:34	1
Beryllium	**0.58**		0.23	0.045	mg/Kg	☼	04/03/14 08:00	04/04/14 04:34	1
Cadmium	**1.4**		0.11	0.014	mg/Kg	☼	04/03/14 08:00	04/04/14 04:34	1
Calcium	**47000**	**B**	11	3.1	mg/Kg	☼	04/03/14 08:00	04/04/14 04:34	1
Chromium	**23**		0.57	0.066	mg/Kg	☼	04/03/14 08:00	04/04/14 04:34	1
Cobalt	**8.9**		0.28	0.057	mg/Kg	☼	04/03/14 08:00	04/04/14 04:34	1
Copper	**37**		0.57	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 04:34	1
Iron	**19000**		11	4.7	mg/Kg	☼	04/03/14 08:00	04/04/14 04:34	1
Lead	**74**	**B**	0.28	0.084	mg/Kg	☼	04/03/14 08:00	04/04/14 04:34	1
Magnesium	**25000**	**B**	5.7	1.2	mg/Kg	☼	04/03/14 08:00	04/04/14 04:34	1
Manganese	**330**		0.57	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 04:34	1
Nickel	**25**	**^**	0.57	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 04:34	1
Potassium	**2800**		28	1.7	mg/Kg	☼	04/03/14 08:00	04/04/14 04:34	1
Selenium	<0.57		0.57	0.20	mg/Kg	☼	04/03/14 08:00	04/04/14 04:34	1
Silver	**0.16**	**J**	0.28	0.020	mg/Kg	☼	04/03/14 08:00	04/04/14 04:34	1
Sodium	**1800**		57	7.6	mg/Kg	☼	04/03/14 08:00	04/04/14 04:34	1
Thallium	**0.72**		0.57	0.24	mg/Kg	☼	04/03/14 08:00	04/04/14 04:34	1
Vanadium	**21**		0.28	0.042	mg/Kg	☼	04/03/14 08:00	04/04/14 04:34	1
Zinc	**92**		1.1	0.23	mg/Kg	☼	04/03/14 08:00	04/04/14 04:34	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 09:32	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.040**	**J B**	0.20	0.020	ug/L		04/04/14 15:00	04/07/14 11:44	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**29**		20	7.9	ug/Kg	☼	04/03/14 12:22	04/04/14 09:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.95**		0.200	0.200	SU			04/07/14 12:52	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74266-1

Client Sample ID: IC-11(0-2)-040114
Date Collected: 04/01/14 15:25
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-4
Matrix: Solid
Percent Solids: 84.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.1		5.9	2.5	ug/Kg	☼		04/02/14 18:13	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		04/02/14 18:13	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/02/14 18:13	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		04/02/14 18:13	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		04/02/14 18:13	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	☼		04/02/14 18:13	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		04/02/14 18:13	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		04/02/14 18:13	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		04/02/14 18:13	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		04/02/14 18:13	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 18:13	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	☼		04/02/14 18:13	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	☼		04/02/14 18:13	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/02/14 18:13	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		04/02/14 18:13	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		04/02/14 18:13	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		04/02/14 18:13	1
1,2-Dichloropropane	<5.9		5.9	0.89	ug/Kg	☼		04/02/14 18:13	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	☼		04/02/14 18:13	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 18:13	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		04/02/14 18:13	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		04/02/14 18:13	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		04/02/14 18:13	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		04/02/14 18:13	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	☼		04/02/14 18:13	1
Styrene	<5.9		5.9	0.77	ug/Kg	☼		04/02/14 18:13	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 18:13	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	☼		04/02/14 18:13	1
Toluene	<5.9		5.9	0.82	ug/Kg	☼		04/02/14 18:13	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		04/02/14 18:13	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		04/02/14 18:13	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/02/14 18:13	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	☼		04/02/14 18:13	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		04/02/14 18:13	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 18:13	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/02/14 18:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*112*		*70 - 122*		*04/02/14 18:13*	*1*
Dibromofluoromethane	*111*		*75 - 120*		*04/02/14 18:13*	*1*
1,2-Dichloroethane-d4 (Surr)	*94*		*70 - 134*		*04/02/14 18:13*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*04/02/14 18:13*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74266-1

Client Sample ID: IC-11(0-2)-040114
Date Collected: 04/01/14 15:25
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-4
Matrix: Solid
Percent Solids: 84.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
2-Methylphenol	<190		190	62	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Anthracene	<38		38	6.4	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Benzo[a]pyrene	**31**	**J**	38	7.5	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Benzo[b]fluoranthene	**25**	**J**	38	8.3	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Benzo[g,h,i]perylene	**24**	**J**	38	12	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Carbazole	<190		190	100	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Chrysene	**15**	**J**	38	11	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Dibenz(a,h)anthracene	<38		38	7.5	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Dibenzofuran	<190		190	45	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Fluoranthene	<38		38	7.2	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Fluorene	<38		38	5.4	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Hexachloroethane	<190		190	59	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1

Client Sample ID: IC-11(0-2)-040114
Date Collected: 04/01/14 15:25
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-4
Matrix: Solid
Percent Solids: 84.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	21	J	38	10	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Isophorone	<190		190	43	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Naphthalene	<38		38	5.9	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
N-Nitrosodiphenylamine	55	J	190	46	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Phenanthrene	17	J	38	5.4	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Phenol	<190		190	86	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1
Pyrene	17	J	38	7.7	ug/Kg	☼	04/03/14 18:14	04/04/14 18:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*56*		*35 - 137*	*04/03/14 18:14*	*04/04/14 18:42*	*1*
2-Fluorobiphenyl	*45*		*25 - 119*	*04/03/14 18:14*	*04/04/14 18:42*	*1*
2-Fluorophenol	*41*		*25 - 110*	*04/03/14 18:14*	*04/04/14 18:42*	*1*
Nitrobenzene-d5	*42*		*25 - 115*	*04/03/14 18:14*	*04/04/14 18:42*	*1*
Phenol-d5	*41*		*31 - 110*	*04/03/14 18:14*	*04/04/14 18:42*	*1*
Terphenyl-d14	*100*		*36 - 134*	*04/03/14 18:14*	*04/04/14 18:42*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/08/14 02:19	1
Barium	0.75		0.50	0.050	mg/L		04/07/14 07:30	04/08/14 02:19	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 07:30	04/08/14 02:19	1
Cadmium	0.0039	J	0.0050	0.0020	mg/L		04/07/14 07:30	04/08/14 02:19	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:19	1
Cobalt	0.060		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:19	1
Copper	0.011	J	0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:19	1
Iron	0.85		0.20	0.20	mg/L		04/07/14 07:30	04/08/14 02:19	1
Lead	0.37		0.0075	0.0075	mg/L		04/07/14 07:30	04/08/14 02:19	1
Manganese	5.9		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:19	1
Nickel	0.062		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:19	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/08/14 02:19	1
Silver	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:19	1
Zinc	0.16		0.10	0.020	mg/L		04/07/14 07:30	04/08/14 02:19	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.016	J	0.050	0.010	mg/L		04/04/14 16:00	04/07/14 13:28	1
Barium	0.34	J B	0.50	0.050	mg/L		04/04/14 16:00	04/07/14 13:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/14 16:00	04/07/14 13:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/14 16:00	04/07/14 13:28	1
Chromium	0.051		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:28	1
Cobalt	0.021	J	0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:28	1
Copper	0.065	B	0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:28	1
Iron	41		0.20	0.20	mg/L		04/04/14 16:00	04/07/14 13:28	1
Lead	0.032		0.0075	0.0075	mg/L		04/04/14 16:00	04/07/14 13:28	1
Manganese	0.68	B	0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:28	1
Nickel	0.056		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:28	1
Selenium	<0.050		0.050	0.010	mg/L		04/04/14 16:00	04/07/14 13:28	1

Client Sample ID: IC-11(0-2)-040114
Date Collected: 04/01/14 15:25
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-4
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:28	1
Zinc	**0.20**	**B**	0.10	0.020	mg/L		04/04/14 16:00	04/07/14 13:28	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.46	mg/Kg	☼	04/03/14 08:00	04/04/14 04:41	1
Arsenic	**6.6**		0.57	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 04:41	1
Barium	**93**		0.57	0.061	mg/Kg	☼	04/03/14 08:00	04/04/14 04:41	1
Beryllium	**0.58**		0.23	0.046	mg/Kg	☼	04/03/14 08:00	04/04/14 04:41	1
Cadmium	**0.77**		0.11	0.015	mg/Kg	☼	04/03/14 08:00	04/04/14 04:41	1
Calcium	**47000**	**B**	11	3.1	mg/Kg	☼	04/03/14 08:00	04/04/14 04:41	1
Chromium	**18**		0.57	0.066	mg/Kg	☼	04/03/14 08:00	04/04/14 04:41	1
Cobalt	**11**		0.29	0.057	mg/Kg	☼	04/03/14 08:00	04/04/14 04:41	1
Copper	**26**		0.57	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 04:41	1
Iron	**20000**		11	4.7	mg/Kg	☼	04/03/14 08:00	04/04/14 04:41	1
Lead	**11**	**B**	0.29	0.085	mg/Kg	☼	04/03/14 08:00	04/04/14 04:41	1
Magnesium	**23000**	**B**	5.7	1.2	mg/Kg	☼	04/03/14 08:00	04/04/14 04:41	1
Manganese	**390**		0.57	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 04:41	1
Nickel	**28**	**^**	0.57	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 04:41	1
Potassium	**3100**		29	1.7	mg/Kg	☼	04/03/14 08:00	04/04/14 04:41	1
Selenium	<0.57		0.57	0.20	mg/Kg	☼	04/03/14 08:00	04/04/14 04:41	1
Silver	**0.030**	**J**	0.29	0.021	mg/Kg	☼	04/03/14 08:00	04/04/14 04:41	1
Sodium	**1200**		57	7.7	mg/Kg	☼	04/03/14 08:00	04/04/14 04:41	1
Thallium	**0.34**	**J**	0.57	0.24	mg/Kg	☼	04/03/14 08:00	04/04/14 04:41	1
Vanadium	**21**		0.29	0.042	mg/Kg	☼	04/03/14 08:00	04/04/14 04:41	1
Zinc	**42**		1.1	0.23	mg/Kg	☼	04/03/14 08:00	04/04/14 04:41	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 09:34	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.092**	**J B**	0.20	0.020	ug/L		04/04/14 15:00	04/07/14 11:46	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**25**		18	7.1	ug/Kg	☼	04/03/14 12:22	04/04/14 09:18	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.46**		0.200	0.200	SU			04/07/14 12:55	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74266-1

Client Sample ID: IC-3(5-9.5)-040114
Date Collected: 04/01/14 13:45
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-5
Matrix: Solid
Percent Solids: 85.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	21		5.9	2.5	ug/Kg	☼		04/02/14 18:36	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		04/02/14 18:36	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/02/14 18:36	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		04/02/14 18:36	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		04/02/14 18:36	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	☼		04/02/14 18:36	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		04/02/14 18:36	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		04/02/14 18:36	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		04/02/14 18:36	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		04/02/14 18:36	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 18:36	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	☼		04/02/14 18:36	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	☼		04/02/14 18:36	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/02/14 18:36	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		04/02/14 18:36	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		04/02/14 18:36	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		04/02/14 18:36	1
1,2-Dichloropropane	<5.9		5.9	0.89	ug/Kg	☼		04/02/14 18:36	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	☼		04/02/14 18:36	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 18:36	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		04/02/14 18:36	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		04/02/14 18:36	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		04/02/14 18:36	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		04/02/14 18:36	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	☼		04/02/14 18:36	1
Styrene	<5.9		5.9	0.77	ug/Kg	☼		04/02/14 18:36	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 18:36	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	☼		04/02/14 18:36	1
Toluene	<5.9		5.9	0.82	ug/Kg	☼		04/02/14 18:36	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		04/02/14 18:36	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		04/02/14 18:36	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/02/14 18:36	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	☼		04/02/14 18:36	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		04/02/14 18:36	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		04/02/14 18:36	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/02/14 18:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 122*		*04/02/14 18:36*	*1*
Dibromofluoromethane	*114*		*75 - 120*		*04/02/14 18:36*	*1*
1,2-Dichloroethane-d4 (Surr)	*108*		*70 - 134*		*04/02/14 18:36*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*04/02/14 18:36*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74266-1

Client Sample ID: IC-3(5-9.5)-040114
Date Collected: 04/01/14 13:45
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-5
Matrix: Solid
Percent Solids: 85.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
2-Methylnaphthalene	**11**	**J**	38	7.0	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
2-Methylphenol	<190		190	61	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Acenaphthylene	<38		38	5.0	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Anthracene	<38		38	6.4	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Benzo[a]anthracene	**13**	**J**	38	5.2	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Benzo[a]pyrene	**36**	**J**	38	7.4	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Benzo[b]fluoranthene	**31**	**J**	38	8.3	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Benzo[g,h,i]perylene	**27**	**J**	38	12	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Benzo[k]fluoranthene	**17**	**J**	38	11	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Carbazole	<190		190	99	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Chrysene	**32**	**J**	38	10	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Dibenzofuran	<190		190	45	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Fluoranthene	**29**	**J**	38	7.1	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Fluorene	<38		38	5.4	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Hexachloroethane	<190		190	58	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74266-1

Client Sample ID: IC-3(5-9.5)-040114
Date Collected: 04/01/14 13:45
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-5
Matrix: Solid
Percent Solids: 85.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**24**	**J**	38	9.9	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Isophorone	<190		190	43	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Naphthalene	<38		38	5.9	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Phenanthrene	**53**		38	5.3	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Phenol	<190		190	85	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1
Pyrene	**41**		38	7.6	ug/Kg	☼	04/03/14 18:14	04/04/14 19:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*60*		*35 - 137*	*04/03/14 18:14*	*04/04/14 19:01*	*1*
2-Fluorobiphenyl	*47*		*25 - 119*	*04/03/14 18:14*	*04/04/14 19:01*	*1*
2-Fluorophenol	*44*		*25 - 110*	*04/03/14 18:14*	*04/04/14 19:01*	*1*
Nitrobenzene-d5	*40*		*25 - 115*	*04/03/14 18:14*	*04/04/14 19:01*	*1*
Phenol-d5	*42*		*31 - 110*	*04/03/14 18:14*	*04/04/14 19:01*	*1*
Terphenyl-d14	*74*		*36 - 134*	*04/03/14 18:14*	*04/04/14 19:01*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<20		20	6.9	ug/Kg	☼	04/02/14 17:12	04/03/14 13:55	1
PCB-1221	<20		20	8.6	ug/Kg	☼	04/02/14 17:12	04/03/14 13:55	1
PCB-1232	<20		20	8.5	ug/Kg	☼	04/02/14 17:12	04/03/14 13:55	1
PCB-1242	<20		20	6.4	ug/Kg	☼	04/02/14 17:12	04/03/14 13:55	1
PCB-1248	<20		20	7.7	ug/Kg	☼	04/02/14 17:12	04/03/14 13:55	1
PCB-1254	<20		20	4.2	ug/Kg	☼	04/02/14 17:12	04/03/14 13:55	1
PCB-1260	<20		20	9.6	ug/Kg	☼	04/02/14 17:12	04/03/14 13:55	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*48 - 142*	*04/02/14 17:12*	*04/03/14 13:55*	*1*
Tetrachloro-m-xylene	*77*		*50 - 116*	*04/02/14 17:12*	*04/03/14 13:55*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/08/14 02:32	1
Barium	**0.30**	**J**	0.50	0.050	mg/L		04/07/14 07:30	04/08/14 02:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 07:30	04/08/14 02:32	1
Cadmium	**0.0032**	**J**	0.0050	0.0020	mg/L		04/07/14 07:30	04/08/14 02:32	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:32	1
Cobalt	**0.031**		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:32	1
Copper	**0.012**	**J**	0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:32	1
Iron	<0.20		0.20	0.20	mg/L		04/07/14 07:30	04/08/14 02:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/07/14 07:30	04/08/14 02:32	1
Manganese	**4.4**		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 12:44	1
Nickel	**0.030**		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:32	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/08/14 02:32	1
Silver	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:32	1
Zinc	**0.19**		0.10	0.020	mg/L		04/07/14 07:30	04/08/14 02:32	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74266-1

Client Sample ID: IC-3(5-9.5)-040114
Date Collected: 04/01/14 13:45
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-5
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/14 16:00	04/07/14 13:32	1
Barium	**0.14**	**J B**	0.50	0.050	mg/L		04/04/14 16:00	04/07/14 13:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/14 16:00	04/07/14 13:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/14 16:00	04/07/14 13:32	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:32	1
Cobalt	<0.025		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:32	1
Copper	**0.018**	**J B**	0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:32	1
Iron	<0.20		0.20	0.20	mg/L		04/04/14 16:00	04/07/14 13:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/04/14 16:00	04/07/14 13:32	1
Manganese	**0.14**	**B**	0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:32	1
Nickel	<0.025		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:32	1
Selenium	<0.050		0.050	0.010	mg/L		04/04/14 16:00	04/07/14 13:32	1
Silver	<0.025		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:32	1
Zinc	**0.091**	**J B**	0.10	0.020	mg/L		04/04/14 16:00	04/07/14 13:32	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.43	mg/Kg	☼	04/03/14 08:00	04/04/14 04:47	1
Arsenic	**7.6**		0.53	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 04:47	1
Barium	**36**		0.53	0.057	mg/Kg	☼	04/03/14 08:00	04/04/14 04:47	1
Beryllium	**0.43**		0.21	0.043	mg/Kg	☼	04/03/14 08:00	04/04/14 04:47	1
Cadmium	**0.82**		0.11	0.014	mg/Kg	☼	04/03/14 08:00	04/04/14 04:47	1
Calcium	**46000**	**B**	11	2.9	mg/Kg	☼	04/03/14 08:00	04/04/14 04:47	1
Chromium	**12**		0.53	0.062	mg/Kg	☼	04/03/14 08:00	04/04/14 04:47	1
Cobalt	**8.1**		0.27	0.053	mg/Kg	☼	04/03/14 08:00	04/04/14 04:47	1
Copper	**25**		0.53	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 04:47	1
Iron	**16000**		11	4.4	mg/Kg	☼	04/03/14 08:00	04/04/14 04:47	1
Lead	**14**	**B**	0.27	0.080	mg/Kg	☼	04/03/14 08:00	04/04/14 04:47	1
Magnesium	**24000**	**B**	5.3	1.1	mg/Kg	☼	04/03/14 08:00	04/04/14 04:47	1
Manganese	**340**		0.53	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 04:47	1
Nickel	**18**	**^**	0.53	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 04:47	1
Potassium	**1700**		27	1.6	mg/Kg	☼	04/03/14 08:00	04/04/14 04:47	1
Selenium	<0.53		0.53	0.19	mg/Kg	☼	04/03/14 08:00	04/04/14 04:47	1
Silver	**0.064**	**J**	0.27	0.019	mg/Kg	☼	04/03/14 08:00	04/04/14 04:47	1
Sodium	**850**		53	7.2	mg/Kg	☼	04/03/14 08:00	04/04/14 04:47	1
Thallium	**0.46**	**J**	0.53	0.23	mg/Kg	☼	04/03/14 08:00	04/04/14 04:47	1
Vanadium	**15**		0.27	0.040	mg/Kg	☼	04/03/14 08:00	04/04/14 04:47	1
Zinc	**60**		1.1	0.22	mg/Kg	☼	04/03/14 08:00	04/04/14 04:47	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 09:36	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.037**	**J B**	0.20	0.020	ug/L		04/04/14 15:00	04/07/14 11:48	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**26**		19	7.4	ug/Kg	☼	04/03/14 12:22	04/04/14 09:19	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74266-1

Client Sample ID: IC-3(5-9.5)-040114
Date Collected: 04/01/14 13:45
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-5
Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.81		0.200	0.200	SU			04/07/14 12:57	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74266-1

Client Sample ID: IC-3(5-9.5)-040114D
Date Collected: 04/01/14 13:45
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-6
Matrix: Solid
Percent Solids: 86.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	26		5.8	2.5	ug/Kg	☼		04/02/14 18:59	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		04/02/14 18:59	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/02/14 18:59	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		04/02/14 18:59	1
Bromomethane	<5.8		5.8	1.7	ug/Kg	☼		04/02/14 18:59	1
Carbon disulfide	<5.8		5.8	0.86	ug/Kg	☼		04/02/14 18:59	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		04/02/14 18:59	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		04/02/14 18:59	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		04/02/14 18:59	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		04/02/14 18:59	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		04/02/14 18:59	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		04/02/14 18:59	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		04/02/14 18:59	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/02/14 18:59	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		04/02/14 18:59	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		04/02/14 18:59	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		04/02/14 18:59	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		04/02/14 18:59	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		04/02/14 18:59	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		04/02/14 18:59	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		04/02/14 18:59	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		04/02/14 18:59	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		04/02/14 18:59	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		04/02/14 18:59	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		04/02/14 18:59	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		04/02/14 18:59	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		04/02/14 18:59	1
Tetrachloroethene	<5.8		5.8	0.88	ug/Kg	☼		04/02/14 18:59	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		04/02/14 18:59	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		04/02/14 18:59	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		04/02/14 18:59	1
1,1,1-Trichloroethane	<5.8		5.8	0.86	ug/Kg	☼		04/02/14 18:59	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		04/02/14 18:59	1
Trichloroethene	<5.8		5.8	0.95	ug/Kg	☼		04/02/14 18:59	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		04/02/14 18:59	1
Xylenes, Total	<12		12	0.52	ug/Kg	☼		04/02/14 18:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*121*		*70 - 122*		*04/02/14 18:59*	*1*
Dibromofluoromethane	*116*		*75 - 120*		*04/02/14 18:59*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*04/02/14 18:59*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*04/02/14 18:59*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74266-1

Client Sample ID: IC-3(5-9.5)-040114D
Date Collected: 04/01/14 13:45
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-6
Matrix: Solid
Percent Solids: 86.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
2-Methylnaphthalene	**8.0**	**J**	37	6.9	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
2-Methylphenol	<190		190	60	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Anthracene	<37		37	6.2	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Benzo[a]anthracene	**8.7**	**J**	37	5.0	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Benzo[a]pyrene	**33**	**J**	37	7.2	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Benzo[b]fluoranthene	**26**	**J**	37	8.0	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Benzo[g,h,i]perylene	**23**	**J**	37	12	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Benzo[k]fluoranthene	**17**	**J**	37	11	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Carbazole	<190		190	96	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Chrysene	**22**	**J**	37	10	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Dibenzofuran	<190		190	44	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Fluoranthene	**22**	**J**	37	6.9	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Fluorene	<37		37	5.2	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Hexachloroethane	<190		190	57	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74266-1

Client Sample ID: IC-3(5-9.5)-040114D
Date Collected: 04/01/14 13:45
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-6
Matrix: Solid
Percent Solids: 86.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	22	J	37	9.7	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Isophorone	<190		190	42	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Naphthalene	<37		37	5.7	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Phenanthrene	65		37	5.2	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Phenol	<190		190	83	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1
Pyrene	36	J	37	7.4	ug/Kg	☼	04/03/14 18:14	04/04/14 19:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*67*		*35 - 137*	*04/03/14 18:14*	*04/04/14 19:21*	*1*
2-Fluorobiphenyl	*50*		*25 - 119*	*04/03/14 18:14*	*04/04/14 19:21*	*1*
2-Fluorophenol	*49*		*25 - 110*	*04/03/14 18:14*	*04/04/14 19:21*	*1*
Nitrobenzene-d5	*44*		*25 - 115*	*04/03/14 18:14*	*04/04/14 19:21*	*1*
Phenol-d5	*45*		*31 - 110*	*04/03/14 18:14*	*04/04/14 19:21*	*1*
Terphenyl-d14	*83*		*36 - 134*	*04/03/14 18:14*	*04/04/14 19:21*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	6.6	ug/Kg	☼	04/02/14 17:12	04/03/14 14:09	1
PCB-1221	<19		19	8.2	ug/Kg	☼	04/02/14 17:12	04/03/14 14:09	1
PCB-1232	<19		19	8.2	ug/Kg	☼	04/02/14 17:12	04/03/14 14:09	1
PCB-1242	<19		19	6.2	ug/Kg	☼	04/02/14 17:12	04/03/14 14:09	1
PCB-1248	<19		19	7.4	ug/Kg	☼	04/02/14 17:12	04/03/14 14:09	1
PCB-1254	<19		19	4.0	ug/Kg	☼	04/02/14 17:12	04/03/14 14:09	1
PCB-1260	<19		19	9.2	ug/Kg	☼	04/02/14 17:12	04/03/14 14:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*88*		*48 - 142*	*04/02/14 17:12*	*04/03/14 14:09*	*1*
Tetrachloro-m-xylene	*79*		*50 - 116*	*04/02/14 17:12*	*04/03/14 14:09*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/08/14 02:37	1
Barium	0.33	J	0.50	0.050	mg/L		04/07/14 07:30	04/08/14 02:37	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 07:30	04/08/14 02:37	1
Cadmium	0.0056		0.0050	0.0020	mg/L		04/07/14 07:30	04/08/14 02:37	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:37	1
Cobalt	0.055		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:37	1
Copper	0.024	J	0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:37	1
Iron	3.9		0.20	0.20	mg/L		04/07/14 07:30	04/08/14 02:37	1
Lead	0.020		0.0075	0.0075	mg/L		04/07/14 07:30	04/08/14 02:37	1
Manganese	6.5		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 12:49	1
Nickel	0.063		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:37	1
Selenium	0.018	J	0.050	0.010	mg/L		04/07/14 07:30	04/08/14 02:37	1
Silver	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:37	1
Zinc	0.31		0.10	0.020	mg/L		04/07/14 07:30	04/08/14 02:37	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74266-1

Client Sample ID: IC-3(5-9.5)-040114D
Date Collected: 04/01/14 13:45
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-6
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/14 16:00	04/07/14 13:36	1
Barium	**0.17**	**J B**	0.50	0.050	mg/L		04/04/14 16:00	04/07/14 13:36	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/14 16:00	04/07/14 13:36	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/14 16:00	04/07/14 13:36	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:36	1
Cobalt	<0.025		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:36	1
Copper	**0.018**	**J B**	0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:36	1
Iron	<0.20		0.20	0.20	mg/L		04/04/14 16:00	04/07/14 13:36	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/04/14 16:00	04/07/14 13:36	1
Manganese	**0.23**	**B**	0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:36	1
Nickel	<0.025		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:36	1
Selenium	<0.050		0.050	0.010	mg/L		04/04/14 16:00	04/07/14 13:36	1
Silver	<0.025		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:36	1
Zinc	**0.11**	**B**	0.10	0.020	mg/L		04/04/14 16:00	04/07/14 13:36	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.46	mg/Kg	☼	04/03/14 08:00	04/04/14 04:53	1
Arsenic	**7.7**		0.57	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 04:53	1
Barium	**27**		0.57	0.061	mg/Kg	☼	04/03/14 08:00	04/04/14 04:53	1
Beryllium	**0.32**		0.23	0.046	mg/Kg	☼	04/03/14 08:00	04/04/14 04:53	1
Cadmium	**0.59**		0.11	0.015	mg/Kg	☼	04/03/14 08:00	04/04/14 04:53	1
Calcium	**47000**	**B**	11	3.1	mg/Kg	☼	04/03/14 08:00	04/04/14 04:53	1
Chromium	**9.5**		0.57	0.066	mg/Kg	☼	04/03/14 08:00	04/04/14 04:53	1
Cobalt	**7.8**		0.29	0.057	mg/Kg	☼	04/03/14 08:00	04/04/14 04:53	1
Copper	**23**		0.57	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 04:53	1
Iron	**15000**		11	4.7	mg/Kg	☼	04/03/14 08:00	04/04/14 04:53	1
Lead	**12**	**B**	0.29	0.085	mg/Kg	☼	04/03/14 08:00	04/04/14 04:53	1
Magnesium	**25000**	**B**	5.7	1.2	mg/Kg	☼	04/03/14 08:00	04/04/14 04:53	1
Manganese	**340**		0.57	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 04:53	1
Nickel	**17**	**^**	0.57	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 04:53	1
Potassium	**1500**		29	1.7	mg/Kg	☼	04/03/14 08:00	04/04/14 04:53	1
Selenium	<0.57		0.57	0.20	mg/Kg	☼	04/03/14 08:00	04/04/14 04:53	1
Silver	**0.047**	**J**	0.29	0.021	mg/Kg	☼	04/03/14 08:00	04/04/14 04:53	1
Sodium	**680**		57	7.7	mg/Kg	☼	04/03/14 08:00	04/04/14 04:53	1
Thallium	**0.61**		0.57	0.24	mg/Kg	☼	04/03/14 08:00	04/04/14 04:53	1
Vanadium	**13**		0.29	0.042	mg/Kg	☼	04/03/14 08:00	04/04/14 04:53	1
Zinc	**50**		1.1	0.23	mg/Kg	☼	04/03/14 08:00	04/04/14 04:53	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 09:38	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.042**	**J B**	0.20	0.020	ug/L		04/04/14 15:00	04/07/14 11:50	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**30**		17	6.7	ug/Kg	☼	04/03/14 12:22	04/04/14 09:21	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74266-1

Client Sample ID: IC-3(5-9.5)-040114D
Date Collected: 04/01/14 13:45
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-6
Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.85		0.200	0.200	SU			04/07/14 13:00	1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74266-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-14 *

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

* Expired certification is currently pending renewal and is considered valid.

TestAmerica
THE LEADER IN ENVIRONMEN

2417 Bond Street, University Park, Il
Phone: 708.534.5200 Fax: 708.

500-74266 COC

(optional)

Report To
Contact: S. BabusuKumar
Company: Weston Solutions Inc
Address: 750 E Bunker Ct. Ste. 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax: 847-918-4055
E-Mail:

(optional)

Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74266

Chain of Custody Number:

Page 3 of 3

Temperature °C of Cooler: 3.5

Client: Weston Solutions Inc
Client Project #:
Project Name: IDOT 050 - IL 171 From 47th St to 55th St
Project Location/State: McCook/Summit, IL
Lab Project #:
Sampler: M. Doherty-Skubic
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP SPLP Metals	pH	Comments
1		ID-7(0-5)-040114	4-1-14	1410	2	S	X	X	X	X	X	
2		IC-20(0-4)-040114	4-1-14	1455	2	S	X	X	X	X	X	
3		IC-16(0-4)-040114	4-1-14	1510	2	S	X	X	X	X	X	
4		IC-11(0-2)-040114	4-1-14	1525	2	S	X	X	X	X	X	

mrs

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston	4-1-14	1540	[signature]	TA	4/1/14	1540
[signature]	TA	4/1/14	1650	[signature]	TA	4/2/14	0700
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)
Report To
Contact: Sr. Babusukumar
Company: Weston
Address: 750 E. Bunker Court Suite 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax:
E-Mail:

(optional)
Bill To
Contact:
Company:
Address:
Address: SAMP
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74266
Chain of Custody Number:
Page 3 of 3
Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT 050[redacted]
Project Location/State: McCook, IL
Lab Project #:
Sampler: Dan Cukierski
Lab PM:

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP Metals	#	Total Aluminum	PCBs			Comments
5		IC-3(5-9.5)-040114	4/1/14	1345	2	S		X	X	X	X	X		X			Time= 1345
6		IC-3(5-9.5)-040114D	4/1/14	1345	2	S		X	X	X	X	X		X			
7		ID-1 (0-5)-040114	4/1/14	1435	2	S		X	X	X	X	X					
8		ID-1 (5-9)-040114	4/1/14	1440	2	S		X	X	X	X	X					
9		ID-2 (0-5)-040114	4/1/14	1500	2	S		X	X	X	X	X					
10		ID-2 (5-9)-040114	4/1/14	1505	2	S		X	X	X	X	X					
11		ID-6 (0-5)-040114	4/1/14	1515	2	S		X	X	X	X	X					
12		ID-6 (5-9)-040114	4/1/14	1520	2	S		X	X	X	X	X					

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	4/1/14	1529		TA	4/1/14	1538
	TA	4/1/14	1640		TA	4/2/14	0700

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
Wi – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TAL-4124 (1209)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-74264-1
Client Project/Site: IDOT - Lyons, McCook, Summit - 050
Revision: 1

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar

Authorized for release by:
4/22/2014 9:03:29 AM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: IC-4(0-5)-040114
Date Collected: 04/01/14 13:10
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-18
Matrix: Solid
Percent Solids: 87.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	9.1		5.8	2.5	ug/Kg	☼		04/07/14 13:11	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		04/07/14 13:11	1
Bromodichloromethane	<5.8		5.8	0.99	ug/Kg	☼		04/07/14 13:11	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		04/07/14 13:11	1
Bromomethane	<5.8		5.8	1.7	ug/Kg	☼		04/07/14 13:11	1
Carbon disulfide	<5.8		5.8	0.86	ug/Kg	☼		04/07/14 13:11	1
Carbon tetrachloride	<5.8		5.8	1.0	ug/Kg	☼		04/07/14 13:11	1
Chlorobenzene	<5.8		5.8	0.58	ug/Kg	☼		04/07/14 13:11	1
Chloroethane	<5.8	*	5.8	1.6	ug/Kg	☼		04/07/14 13:11	1
Chloroform	<5.8		5.8	0.66	ug/Kg	☼		04/07/14 13:11	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		04/07/14 13:11	1
cis-1,2-Dichloroethene	<5.8		5.8	0.81	ug/Kg	☼		04/07/14 13:11	1
cis-1,3-Dichloropropene	<5.8		5.8	0.75	ug/Kg	☼		04/07/14 13:11	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/07/14 13:11	1
1,1-Dichloroethane	<5.8		5.8	0.91	ug/Kg	☼		04/07/14 13:11	1
1,2-Dichloroethane	<5.8		5.8	0.85	ug/Kg	☼		04/07/14 13:11	1
1,1-Dichloroethene	<5.8		5.8	0.93	ug/Kg	☼		04/07/14 13:11	1
1,2-Dichloropropane	<5.8		5.8	0.87	ug/Kg	☼		04/07/14 13:11	1
1,3-Dichloropropene, Total	<5.8		5.8	0.75	ug/Kg	☼		04/07/14 13:11	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		04/07/14 13:11	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		04/07/14 13:11	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		04/07/14 13:11	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		04/07/14 13:11	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		04/07/14 13:11	1
Methyl tert-butyl ether	<5.8		5.8	0.95	ug/Kg	☼		04/07/14 13:11	1
Styrene	<5.8		5.8	0.75	ug/Kg	☼		04/07/14 13:11	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		04/07/14 13:11	1
Tetrachloroethene	<5.8		5.8	0.88	ug/Kg	☼		04/07/14 13:11	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		04/07/14 13:11	1
trans-1,2-Dichloroethene	<5.8		5.8	0.79	ug/Kg	☼		04/07/14 13:11	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		04/07/14 13:11	1
1,1,1-Trichloroethane	<5.8		5.8	0.86	ug/Kg	☼		04/07/14 13:11	1
1,1,2-Trichloroethane	<5.8		5.8	0.78	ug/Kg	☼		04/07/14 13:11	1
Trichloroethene	<5.8		5.8	0.95	ug/Kg	☼		04/07/14 13:11	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		04/07/14 13:11	1
Xylenes, Total	<12		12	0.52	ug/Kg	☼		04/07/14 13:11	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 122*		*04/07/14 13:11*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*04/07/14 13:11*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*		*04/07/14 13:11*	*1*
Toluene-d8 (Surr)	*102*		*75 - 122*		*04/07/14 13:11*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: IC-4(0-5)-040114
Date Collected: 04/01/14 13:10
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-18
Matrix: Solid
Percent Solids: 87.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
2,4-Dinitrophenol	<740		740	640	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
2-Methylnaphthalene	**23**	**J**	36	6.7	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
2-Methylphenol	<180		180	59	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Acenaphthene	**12**	**J**	36	6.6	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Anthracene	**25**	**J**	36	6.1	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Benzo[a]anthracene	**63**		36	4.9	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Benzo[a]pyrene	**53**		36	7.1	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Benzo[b]fluoranthene	**85**		36	7.9	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Benzo[g,h,i]perylene	**55**		36	12	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Benzo[k]fluoranthene	**43**		36	11	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Butyl benzyl phthalate	<180		180	70	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Carbazole	<180		180	94	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Chrysene	**73**		36	10	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Dibenz(a,h)anthracene	**17**	**J**	36	7.1	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Dibenzofuran	<180		180	43	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Fluoranthene	**110**		36	6.8	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Fluorene	**16**	**J**	36	5.1	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Hexachloroethane	<180		180	56	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: IC-4(0-5)-040114
Date Collected: 04/01/14 13:10
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-18
Matrix: Solid
Percent Solids: 87.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<36		36	9.5	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Isophorone	<180		180	41	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Naphthalene	**17**	**J**	36	5.6	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
N-Nitrosodi-n-propylamine	<180		180	45	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Phenanthrene	**130**		36	5.1	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Phenol	<180		180	81	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1
Pyrene	**210**		36	7.3	ug/Kg	☼	04/04/14 07:10	04/08/14 13:59	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*62*		*35 - 137*	*04/04/14 07:10*	*04/08/14 13:59*	*1*
2-Fluorobiphenyl	*53*		*25 - 119*	*04/04/14 07:10*	*04/08/14 13:59*	*1*
2-Fluorophenol	*52*		*25 - 110*	*04/04/14 07:10*	*04/08/14 13:59*	*1*
Nitrobenzene-d5	*38*		*25 - 115*	*04/04/14 07:10*	*04/08/14 13:59*	*1*
Phenol-d5	*58*		*31 - 110*	*04/04/14 07:10*	*04/08/14 13:59*	*1*
Terphenyl-d14	*125*		*36 - 134*	*04/04/14 07:10*	*04/08/14 13:59*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<18		18	6.4	ug/Kg	☼	04/02/14 17:12	04/03/14 13:14	1
PCB-1221	<18		18	8.0	ug/Kg	☼	04/02/14 17:12	04/03/14 13:14	1
PCB-1232	<18		18	7.9	ug/Kg	☼	04/02/14 17:12	04/03/14 13:14	1
PCB-1242	<18		18	6.0	ug/Kg	☼	04/02/14 17:12	04/03/14 13:14	1
PCB-1248	<18		18	7.2	ug/Kg	☼	04/02/14 17:12	04/03/14 13:14	1
PCB-1254	<18		18	3.9	ug/Kg	☼	04/02/14 17:12	04/03/14 13:14	1
PCB-1260	<18		18	8.9	ug/Kg	☼	04/02/14 17:12	04/03/14 13:14	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*86*		*48 - 142*	*04/02/14 17:12*	*04/03/14 13:14*	*1*
Tetrachloro-m-xylene	*74*		*50 - 116*	*04/02/14 17:12*	*04/03/14 13:14*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/07/14 19:11	1
Barium	**0.34**	**J**	0.50	0.050	mg/L		04/07/14 07:30	04/07/14 19:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 07:30	04/07/14 19:11	1
Cadmium	**0.0054**		0.0050	0.0020	mg/L		04/07/14 07:30	04/07/14 19:11	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 19:11	1
Cobalt	**0.026**		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 19:11	1
Copper	**0.013**	**J**	0.025	0.010	mg/L		04/07/14 07:30	04/07/14 19:11	1
Iron	**0.24**		0.20	0.20	mg/L		04/07/14 07:30	04/07/14 19:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/07/14 07:30	04/07/14 19:11	1
Manganese	**3.9**		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 19:11	1
Nickel	**0.028**		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 19:11	1
Selenium	**0.015**	**J B**	0.050	0.010	mg/L		04/07/14 07:30	04/07/14 19:11	1
Silver	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 19:11	1
Zinc	**0.22**		0.10	0.020	mg/L		04/07/14 07:30	04/07/14 19:11	1

Client Sample ID: IC-4(0-5)-040114
Date Collected: 04/01/14 13:10
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-18
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 09:15	04/09/14 02:03	1
Barium	**0.17**	**J**	0.50	0.050	mg/L		04/07/14 09:15	04/09/14 02:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:15	04/09/14 02:03	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:15	04/09/14 02:03	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 02:03	1
Cobalt	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 02:03	1
Copper	**0.14**		0.10	0.010	mg/L		04/07/14 09:15	04/09/14 02:03	1
Iron	**3.1**		0.20	0.20	mg/L		04/07/14 09:15	04/09/14 02:03	1
Lead	**0.045**		0.0075	0.0075	mg/L		04/10/14 09:45	04/11/14 06:05	1
Manganese	**0.050**		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 02:03	1
Nickel	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 02:03	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:15	04/09/14 02:03	1
Silver	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 02:03	1
Zinc	**0.19**	**B**	0.10	0.020	mg/L		04/07/14 09:15	04/09/14 02:03	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.45	mg/Kg	☼	04/02/14 15:30	04/03/14 23:21	1
Arsenic	**6.4**		0.56	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 23:21	1
Barium	**47**		0.56	0.060	mg/Kg	☼	04/02/14 15:30	04/03/14 23:21	1
Beryllium	**0.50**		0.22	0.045	mg/Kg	☼	04/02/14 15:30	04/03/14 23:21	1
Cadmium	**0.79**	**B**	0.11	0.014	mg/Kg	☼	04/02/14 15:30	04/03/14 23:21	1
Calcium	**43000**	**B**	11	3.0	mg/Kg	☼	04/02/14 15:30	04/03/14 23:21	1
Chromium	**16**		0.56	0.065	mg/Kg	☼	04/02/14 15:30	04/03/14 23:21	1
Cobalt	**8.5**		0.28	0.056	mg/Kg	☼	04/02/14 15:30	04/03/14 23:21	1
Copper	**24**		0.56	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 23:21	1
Iron	**17000**		11	4.6	mg/Kg	☼	04/02/14 15:30	04/03/14 23:21	1
Lead	**16**	**B**	0.28	0.084	mg/Kg	☼	04/02/14 15:30	04/03/14 23:21	1
Magnesium	**23000**	**B**	5.6	1.2	mg/Kg	☼	04/02/14 15:30	04/03/14 23:21	1
Manganese	**350**		0.56	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 23:21	1
Nickel	**22**	**^**	0.56	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 23:21	1
Potassium	**3000**		28	1.7	mg/Kg	☼	04/02/14 15:30	04/03/14 23:21	1
Selenium	<0.56		0.56	0.20	mg/Kg	☼	04/02/14 15:30	04/03/14 23:21	1
Silver	**0.051**	**J**	0.28	0.020	mg/Kg	☼	04/02/14 15:30	04/03/14 23:21	1
Sodium	**2300**		56	7.5	mg/Kg	☼	04/02/14 15:30	04/03/14 23:21	1
Thallium	**0.54**	**J**	0.56	0.24	mg/Kg	☼	04/02/14 15:30	04/03/14 23:21	1
Vanadium	**19**		0.28	0.042	mg/Kg	☼	04/02/14 15:30	04/03/14 23:21	1
Zinc	**49**		1.1	0.23	mg/Kg	☼	04/02/14 15:30	04/03/14 23:21	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 11:57	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 12:59	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**51**		19	7.4	ug/Kg	☼	04/03/14 12:22	04/04/14 10:29	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: IC-4(0-5)-040114
Date Collected: 04/01/14 13:10
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-18
Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.01		0.200	0.200	SU			04/06/14 14:32	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: IC-4(5-9.5)-040114
Date Collected: 04/01/14 13:15
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-19
Matrix: Solid
Percent Solids: 84.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	22		5.9	2.5	ug/Kg	☼		04/04/14 15:41	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		04/04/14 15:41	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/04/14 15:41	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		04/04/14 15:41	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		04/04/14 15:41	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	☼		04/04/14 15:41	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		04/04/14 15:41	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		04/04/14 15:41	1
Chloroethane	<5.9	*	5.9	1.6	ug/Kg	☼		04/04/14 15:41	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		04/04/14 15:41	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		04/04/14 15:41	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	☼		04/04/14 15:41	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	☼		04/04/14 15:41	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/04/14 15:41	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		04/04/14 15:41	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		04/04/14 15:41	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		04/04/14 15:41	1
1,2-Dichloropropane	<5.9		5.9	0.89	ug/Kg	☼		04/04/14 15:41	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	☼		04/04/14 15:41	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		04/04/14 15:41	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		04/04/14 15:41	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		04/04/14 15:41	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		04/04/14 15:41	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		04/04/14 15:41	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	☼		04/04/14 15:41	1
Styrene	<5.9		5.9	0.77	ug/Kg	☼		04/04/14 15:41	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		04/04/14 15:41	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	☼		04/04/14 15:41	1
Toluene	<5.9		5.9	0.82	ug/Kg	☼		04/04/14 15:41	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		04/04/14 15:41	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		04/04/14 15:41	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/04/14 15:41	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	☼		04/04/14 15:41	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		04/04/14 15:41	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		04/04/14 15:41	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/04/14 15:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*84*		*70 - 122*		*04/04/14 15:41*	*1*
Dibromofluoromethane	*109*		*75 - 120*		*04/04/14 15:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*100*		*70 - 134*		*04/04/14 15:41*	*1*
Toluene-d8 (Surr)	*105*		*75 - 122*		*04/04/14 15:41*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: IC-4(5-9.5)-040114
Date Collected: 04/01/14 13:15
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-19
Matrix: Solid
Percent Solids: 84.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	86	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
2,4-Dichlorophenol	<380		380	90	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
2,4-Dinitrophenol	<760		760	670	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
2-Methylnaphthalene	**36**	**J**	38	6.9	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
2-Methylphenol	<190		190	61	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
2-Nitrophenol	<380		380	89	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
4,6-Dinitro-2-methylphenol	<380		380	300	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Acenaphthene	**43**		38	6.8	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Acenaphthylene	**15**	**J**	38	5.0	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Anthracene	**110**		38	6.3	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Benzo[a]anthracene	**330**		38	5.1	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Benzo[a]pyrene	**260**		38	7.3	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Benzo[b]fluoranthene	**330**		38	8.2	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Benzo[g,h,i]perylene	**170**		38	12	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Benzo[k]fluoranthene	**150**		38	11	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Bis(2-ethylhexyl) phthalate	<190		190	69	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Butyl benzyl phthalate	<190		190	72	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Carbazole	<190		190	98	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Chrysene	**420**		38	10	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Dibenz(a,h)anthracene	**54**		38	7.3	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Dibenzofuran	<190		190	44	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Fluoranthene	**560**		38	7.0	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Fluorene	**45**		38	5.3	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Hexachlorobenzene	<76		76	8.8	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Hexachloroethane	<190		190	57	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: IC-4(5-9.5)-040114
Date Collected: 04/01/14 13:15
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-19
Matrix: Solid
Percent Solids: 84.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	120		38	9.8	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Isophorone	<190		190	42	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Naphthalene	30	J	38	5.8	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Nitrobenzene	<38		38	9.4	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Pentachlorophenol	<760		760	610	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Phenanthrene	500		38	5.3	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Phenol	<190		190	84	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1
Pyrene	1100		38	7.5	ug/Kg	☼	04/04/14 07:10	04/07/14 21:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*78*		*35 - 137*	*04/04/14 07:10*	*04/07/14 21:29*	*1*
2-Fluorobiphenyl	*66*		*25 - 119*	*04/04/14 07:10*	*04/07/14 21:29*	*1*
2-Fluorophenol	*60*		*25 - 110*	*04/04/14 07:10*	*04/07/14 21:29*	*1*
Nitrobenzene-d5	*53*		*25 - 115*	*04/04/14 07:10*	*04/07/14 21:29*	*1*
Phenol-d5	*55*		*31 - 110*	*04/04/14 07:10*	*04/07/14 21:29*	*1*
Terphenyl-d14	*156*	*X*	*36 - 134*	*04/04/14 07:10*	*04/07/14 21:29*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<18		18	6.5	ug/Kg	☼	04/02/14 17:12	04/03/14 13:28	1
PCB-1221	<18		18	8.1	ug/Kg	☼	04/02/14 17:12	04/03/14 13:28	1
PCB-1232	<18		18	8.0	ug/Kg	☼	04/02/14 17:12	04/03/14 13:28	1
PCB-1242	<18		18	6.1	ug/Kg	☼	04/02/14 17:12	04/03/14 13:28	1
PCB-1248	<18		18	7.3	ug/Kg	☼	04/02/14 17:12	04/03/14 13:28	1
PCB-1254	<18		18	4.0	ug/Kg	☼	04/02/14 17:12	04/03/14 13:28	1
PCB-1260	<18		18	9.1	ug/Kg	☼	04/02/14 17:12	04/03/14 13:28	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*87*		*48 - 142*	*04/02/14 17:12*	*04/03/14 13:28*	*1*
Tetrachloro-m-xylene	*75*		*50 - 116*	*04/02/14 17:12*	*04/03/14 13:28*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/07/14 19:16	1
Barium	0.25	J	0.50	0.050	mg/L		04/07/14 07:30	04/07/14 19:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 07:30	04/07/14 19:16	1
Cadmium	0.0059		0.0050	0.0020	mg/L		04/07/14 07:30	04/07/14 19:16	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 19:16	1
Cobalt	0.048		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 19:16	1
Copper	0.014	J	0.025	0.010	mg/L		04/07/14 07:30	04/07/14 19:16	1
Iron	0.36		0.20	0.20	mg/L		04/07/14 07:30	04/07/14 19:16	1
Lead	0.020		0.0075	0.0075	mg/L		04/07/14 07:30	04/07/14 19:16	1
Manganese	3.3		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 19:16	1
Nickel	0.051		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 19:16	1
Selenium	0.012	J B	0.050	0.010	mg/L		04/07/14 07:30	04/07/14 19:16	1
Silver	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 19:16	1
Zinc	0.45		0.10	0.020	mg/L		04/07/14 07:30	04/07/14 19:16	1

Client Sample ID: IC-4(5-9.5)-040114
Date Collected: 04/01/14 13:15
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-19
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 09:15	04/09/14 02:09	1
Barium	**0.15**	**J**	0.50	0.050	mg/L		04/07/14 09:15	04/09/14 02:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:15	04/09/14 02:09	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:15	04/09/14 02:09	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 02:09	1
Cobalt	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 02:09	1
Copper	**0.090**	**J**	0.10	0.010	mg/L		04/07/14 09:15	04/09/14 02:09	1
Iron	**0.20**		0.20	0.20	mg/L		04/07/14 09:15	04/09/14 02:09	1
Lead	**0.0091**		0.0075	0.0075	mg/L		04/10/14 09:45	04/11/14 06:26	1
Manganese	**0.35**		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 02:09	1
Nickel	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 02:09	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:15	04/09/14 02:09	1
Silver	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 02:09	1
Zinc	**0.14**	**B**	0.10	0.020	mg/L		04/07/14 09:15	04/09/14 02:09	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.44	mg/Kg	☼	04/02/14 15:30	04/03/14 23:27	1
Arsenic	**12**		0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 23:27	1
Barium	**110**		0.55	0.059	mg/Kg	☼	04/02/14 15:30	04/03/14 23:27	1
Beryllium	**0.41**		0.22	0.044	mg/Kg	☼	04/02/14 15:30	04/03/14 23:27	1
Cadmium	**1.0**	**B**	0.11	0.014	mg/Kg	☼	04/02/14 15:30	04/03/14 23:27	1
Calcium	**49000**	**B**	11	3.0	mg/Kg	☼	04/02/14 15:30	04/03/14 23:27	1
Chromium	**11**		0.55	0.063	mg/Kg	☼	04/02/14 15:30	04/03/14 23:27	1
Cobalt	**8.7**		0.27	0.055	mg/Kg	☼	04/02/14 15:30	04/03/14 23:27	1
Copper	**32**		0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 23:27	1
Iron	**16000**		11	4.5	mg/Kg	☼	04/02/14 15:30	04/03/14 23:27	1
Lead	**33**	**B**	0.27	0.082	mg/Kg	☼	04/02/14 15:30	04/03/14 23:27	1
Magnesium	**27000**	**B**	5.5	1.1	mg/Kg	☼	04/02/14 15:30	04/03/14 23:27	1
Manganese	**350**		0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 23:27	1
Nickel	**20**	**^**	0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 23:27	1
Potassium	**2200**		27	1.6	mg/Kg	☼	04/02/14 15:30	04/03/14 23:27	1
Selenium	<0.55		0.55	0.19	mg/Kg	☼	04/02/14 15:30	04/03/14 23:27	1
Silver	**0.086**	**J**	0.27	0.020	mg/Kg	☼	04/02/14 15:30	04/03/14 23:27	1
Sodium	**1800**		55	7.3	mg/Kg	☼	04/02/14 15:30	04/03/14 23:27	1
Thallium	**0.99**		0.55	0.23	mg/Kg	☼	04/02/14 15:30	04/03/14 23:27	1
Vanadium	**15**		0.27	0.040	mg/Kg	☼	04/02/14 15:30	04/03/14 23:27	1
Zinc	**83**		1.1	0.22	mg/Kg	☼	04/02/14 15:30	04/03/14 23:27	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 11:59	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 13:01	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**55**		20	7.7	ug/Kg	☼	04/03/14 12:22	04/04/14 10:31	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: IC-4(5-9.5)-040114
Date Collected: 04/01/14 13:15
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-19
Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.64		0.200	0.200	SU			04/06/14 14:34	1

Client Sample ID: IC-3(0-5)-040114
Date Collected: 04/01/14 13:40
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-20
Matrix: Solid
Percent Solids: 85.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		04/04/14 16:05	1
Benzene	<5.8		5.8	0.80	ug/Kg	☼		04/04/14 16:05	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/04/14 16:05	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		04/04/14 16:05	1
Bromomethane	<5.8		5.8	1.8	ug/Kg	☼		04/04/14 16:05	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		04/04/14 16:05	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		04/04/14 16:05	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		04/04/14 16:05	1
Chloroethane	<5.8	*	5.8	1.6	ug/Kg	☼		04/04/14 16:05	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		04/04/14 16:05	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		04/04/14 16:05	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		04/04/14 16:05	1
cis-1,3-Dichloropropene	<5.8		5.8	0.77	ug/Kg	☼		04/04/14 16:05	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/04/14 16:05	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		04/04/14 16:05	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		04/04/14 16:05	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		04/04/14 16:05	1
1,2-Dichloropropane	<5.8		5.8	0.89	ug/Kg	☼		04/04/14 16:05	1
1,3-Dichloropropene, Total	<5.8		5.8	0.77	ug/Kg	☼		04/04/14 16:05	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		04/04/14 16:05	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		04/04/14 16:05	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		04/04/14 16:05	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		04/04/14 16:05	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		04/04/14 16:05	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		04/04/14 16:05	1
Styrene	<5.8		5.8	0.77	ug/Kg	☼		04/04/14 16:05	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		04/04/14 16:05	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		04/04/14 16:05	1
Toluene	<5.8		5.8	0.82	ug/Kg	☼		04/04/14 16:05	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		04/04/14 16:05	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		04/04/14 16:05	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		04/04/14 16:05	1
1,1,2-Trichloroethane	<5.8		5.8	0.80	ug/Kg	☼		04/04/14 16:05	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		04/04/14 16:05	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		04/04/14 16:05	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/04/14 16:05	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 122*		*04/04/14 16:05*	*1*
Dibromofluoromethane	*109*		*75 - 120*		*04/04/14 16:05*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 134*		*04/04/14 16:05*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*04/04/14 16:05*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: IC-3(0-5)-040114
Date Collected: 04/01/14 13:40
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-20
Matrix: Solid
Percent Solids: 85.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
2-Methylnaphthalene	**43**		38	7.0	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
2-Methylphenol	<190		190	61	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Acenaphthene	**17**	**J**	38	6.9	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Acenaphthylene	**8.2**	**J**	38	5.0	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Anthracene	**71**		38	6.4	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Benzo[a]anthracene	**210**		38	5.2	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Benzo[a]pyrene	**190**		38	7.4	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Benzo[b]fluoranthene	**290**		38	8.3	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Benzo[g,h,i]perylene	**170**		38	12	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Carbazole	<190		190	99	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Chrysene	**250**		38	10	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Dibenz(a,h)anthracene	**45**		38	7.4	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Dibenzofuran	<190		190	45	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Fluoranthene	**430**		38	7.1	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Fluorene	**28**	**J**	38	5.4	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Hexachlorobenzene	<77		77	8.9	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Hexachloroethane	<190		190	58	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1

Client Sample ID: IC-3(0-5)-040114
Date Collected: 04/01/14 13:40
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-20
Matrix: Solid
Percent Solids: 85.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**130**		38	9.9	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Isophorone	<190		190	43	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Naphthalene	**25**	**J**	38	5.9	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Phenanthrene	**320**		38	5.3	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Phenol	<190		190	85	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1
Pyrene	**650**		38	7.6	ug/Kg	☼	04/04/14 07:10	04/08/14 14:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*59*		*35 - 137*	*04/04/14 07:10*	*04/08/14 14:21*	*1*
2-Fluorobiphenyl	*52*		*25 - 119*	*04/04/14 07:10*	*04/08/14 14:21*	*1*
2-Fluorophenol	*45*		*25 - 110*	*04/04/14 07:10*	*04/08/14 14:21*	*1*
Nitrobenzene-d5	*38*		*25 - 115*	*04/04/14 07:10*	*04/08/14 14:21*	*1*
Phenol-d5	*51*		*31 - 110*	*04/04/14 07:10*	*04/08/14 14:21*	*1*
Terphenyl-d14	*100*		*36 - 134*	*04/04/14 07:10*	*04/08/14 14:21*	*1*

Method: 8082A - Polychlorinated Biphenyls (PCBs) by Gas Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	<19		19	6.8	ug/Kg	☼	04/02/14 17:12	04/03/14 13:42	1
PCB-1221	<19		19	8.5	ug/Kg	☼	04/02/14 17:12	04/03/14 13:42	1
PCB-1232	<19		19	8.4	ug/Kg	☼	04/02/14 17:12	04/03/14 13:42	1
PCB-1242	<19		19	6.3	ug/Kg	☼	04/02/14 17:12	04/03/14 13:42	1
PCB-1248	<19		19	7.6	ug/Kg	☼	04/02/14 17:12	04/03/14 13:42	1
PCB-1254	**69**		19	4.2	ug/Kg	☼	04/02/14 17:12	04/03/14 13:42	1
PCB-1260	**65**		19	9.5	ug/Kg	☼	04/02/14 17:12	04/03/14 13:42	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*85*		*48 - 142*	*04/02/14 17:12*	*04/03/14 13:42*	*1*
Tetrachloro-m-xylene	*71*		*50 - 116*	*04/02/14 17:12*	*04/03/14 13:42*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/07/14 19:21	1
Barium	**0.64**		0.50	0.050	mg/L		04/07/14 07:30	04/07/14 19:21	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 07:30	04/07/14 19:21	1
Cadmium	**0.018**		0.0050	0.0020	mg/L		04/07/14 07:30	04/07/14 19:21	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 19:21	1
Cobalt	**0.076**		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 19:21	1
Copper	**2.1**		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 19:21	1
Iron	**1.1**		0.20	0.20	mg/L		04/07/14 07:30	04/07/14 19:21	1
Lead	**0.17**		0.0075	0.0075	mg/L		04/07/14 07:30	04/07/14 19:21	1
Manganese	**7.2**		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 19:21	1
Nickel	**0.088**		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 19:21	1
Selenium	**0.011**	**J B**	0.050	0.010	mg/L		04/07/14 07:30	04/07/14 19:21	1
Silver	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 19:21	1
Zinc	**1.0**		0.10	0.020	mg/L		04/07/14 07:30	04/07/14 19:21	1

Client Sample ID: IC-3(0-5)-040114
Date Collected: 04/01/14 13:40
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-20
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.010**	**J**	0.050	0.010	mg/L		04/07/14 09:15	04/09/14 02:16	1
Barium	**0.45**	**J**	0.50	0.050	mg/L		04/07/14 09:15	04/09/14 02:16	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:15	04/09/14 02:16	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:15	04/09/14 02:16	1
Chromium	**0.047**		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 02:16	1
Cobalt	**0.016**	**J**	0.025	0.010	mg/L		04/07/14 09:15	04/09/14 02:16	1
Copper	**0.18**		0.10	0.010	mg/L		04/07/14 09:15	04/09/14 02:16	1
Iron	**36**		0.20	0.20	mg/L		04/07/14 09:15	04/09/14 02:16	1
Lead	**0.39**		0.0075	0.0075	mg/L		04/10/14 09:45	04/11/14 06:32	1
Manganese	**0.36**		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 02:16	1
Nickel	**0.048**		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 02:16	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:15	04/09/14 02:16	1
Silver	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 02:16	1
Zinc	**0.39**	**B**	0.10	0.020	mg/L		04/07/14 09:15	04/09/14 02:16	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.45	mg/Kg	☼	04/02/14 15:30	04/03/14 23:34	1
Arsenic	**9.9**		0.56	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 23:34	1
Barium	**60**		0.56	0.060	mg/Kg	☼	04/02/14 15:30	04/03/14 23:34	1
Beryllium	**0.63**		0.22	0.045	mg/Kg	☼	04/02/14 15:30	04/03/14 23:34	1
Cadmium	**0.91**	**B**	0.11	0.014	mg/Kg	☼	04/02/14 15:30	04/03/14 23:34	1
Calcium	**47000**	**B**	11	3.0	mg/Kg	☼	04/02/14 15:30	04/03/14 23:34	1
Chromium	**19**		0.56	0.065	mg/Kg	☼	04/02/14 15:30	04/03/14 23:34	1
Cobalt	**11**		0.28	0.056	mg/Kg	☼	04/02/14 15:30	04/03/14 23:34	1
Copper	**31**		0.56	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 23:34	1
Iron	**21000**		11	4.6	mg/Kg	☼	04/02/14 15:30	04/03/14 23:34	1
Lead	**16**	**B**	0.28	0.083	mg/Kg	☼	04/02/14 15:30	04/03/14 23:34	1
Magnesium	**23000**	**B**	5.6	1.2	mg/Kg	☼	04/02/14 15:30	04/03/14 23:34	1
Manganese	**430**		0.56	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 23:34	1
Nickel	**28**	**^**	0.56	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 23:34	1
Potassium	**3800**		28	1.7	mg/Kg	☼	04/02/14 15:30	04/03/14 23:34	1
Selenium	<0.56		0.56	0.20	mg/Kg	☼	04/02/14 15:30	04/03/14 23:34	1
Silver	**0.032**	**J**	0.28	0.020	mg/Kg	☼	04/02/14 15:30	04/03/14 23:34	1
Sodium	**2100**		56	7.5	mg/Kg	☼	04/02/14 15:30	04/03/14 23:34	1
Thallium	**0.50**	**J**	0.56	0.24	mg/Kg	☼	04/02/14 15:30	04/03/14 23:34	1
Vanadium	**23**		0.28	0.041	mg/Kg	☼	04/02/14 15:30	04/03/14 23:34	1
Zinc	**52**		1.1	0.23	mg/Kg	☼	04/02/14 15:30	04/03/14 23:34	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 12:01	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.15**	**J**	0.20	0.020	ug/L		04/07/14 16:10	04/08/14 13:03	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**18**	**J**	19	7.6	ug/Kg	☼	04/03/14 12:22	04/04/14 10:37	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: IC-3(0-5)-040114
Date Collected: 04/01/14 13:40
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-20
Matrix: Solid

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	8.20		0.200	0.200	SU			04/06/14 14:36	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
F1	MS and/or MSD Recovery exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F3	Duplicate RPD exceeds the control limit
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONM

2417 Bond Street, University Pa
Phone: 708.534.5200 Fax:

500-74264 COC

(optional)

Report To
Contact: S. Babusukumar
Company: Weston
Address: 150 B. Bunker Court Suite 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4019
Fax:
E-Mail:

(optional)

Bill To
Contact:
Company:
Address: SAME
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74264
Chain of Custody Number:
Page 1 of 3
Temperature °C of Cooler: 3.5

Client: Weston
Client Project #:
Project Name: IDOT-050[redacted]
Project Location/State: McCook, IL
Lab Project #:
Sampler: Dan Cukierski
Lab PM:

Preservative
Parameter

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Total Aluminum	PCBs			Comments
1		IP-13(0-4)-040114	4/1/14	0800	2	S	X	X	X	X	X	X				
2		IP-13(0-4)-040114D	4/1/14	0800	2	S	X	X	X	X	X	X				
3		IP-14(0-4)-040114	4/1/14	0820	2	S	X	X	X	X	X	X				
4		IP-15(0-4)-040114	4/1/14	0830	2	S	X	X	X	X	X	X				
5		EL-6(0-2)-040114	4/1/14	0855	2	S	X	X	X	X	X					
6		EL-5(0-2)-040114	4/1/14	0910	2	S	X	X	X	X	X					
7		EL-4(0-2)-040114	4/1/14	0915	2	S	X	X	X	X	X					
8		EL71-4(0-4.3)-040114	4/1/14	0945	2	S	X	X	X	X	X					
9		IP-6(0-4)-040114	4/1/14	1015	2	S	X	X	X	X	X	X				
10		IP-7(0-2)-040114	4/1/14	1040	2	S	X	X	X	X	X	X				

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Turnaround Time Required (Business Days)
___1 Day ___2 Days ___5 Days ___7 Days ___10 Days ___15 Days Standard ___Other
Requested Due Date

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	4/1/14	1529		TA	4/1/14	1530
	TA	4/1/14	1648		TA	4/2/14	0700

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500-74264

Chain of Custody Number:

Page 2 of 3

Temperature °C of Cooler:

Report To (optional)		Bill To (optional)	
Contact:	S. Babu Sukumar	Contact:	
Company:	Weston	Company:	
Address:	750 E. Bunker Court Suite 500	Address:	
Address:	Vernon Hills, IL 60061	Address:	SAMP
Phone:	847-918-4018	Phone:	
Fax:		Fax:	
E-Mail:		PO#/Reference#	

Client: Weston | Client Project #:

Project Name: IDOT OSO[redacted]

Project Location/State: McCook, IL | Lab Project #:

Sampler: Dan Cukierski | Lab PM:

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Total Aluminum	PCBs			Comments
11		IP-7(0-2)-040114D	4/1/14	1040	2	S	X	X	X	X	X	X				
12		IP-9(0-2)-040114	4/1/14	1115	2	S	X	X	X	X	X	X				
13		IP-11(0-4)-040114	4/1/14	1120	2	S	X	X	X	X	X	X				
14		EL-2(0-2)-040114	4/1/14	1150	2	S	X	X	X	X	X					
15		EL-3(0-2)-040114	4/1/14	1205	2	S	X	X	X	X	X					
16		CR-2(0-3)-040114	4/1/14	1235	2	S	X	X	X	X	X					
17		CR-2(3-7)-~~040114~~040114	4/1/14	1240	2	S	X	X	X	X	X					
18		IC-4(0-5)-040114	4/1/14	1310	2	S	X	X	X	X	X		X			
19		IC-4(5-9.5)-040114	4/1/14	1315	2	S	X	X	X	X	X		X			
20		IC-3(0-5)-040114	4/1/14	1340	2	S	X	X	X	X	X		X			

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard ___ Other
Requested Due Date _____

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
DD	Weston	4/1/14	1529		TA	4/1/14	1530
	TA	4/1/14	1648		TA	4/2/14	0700

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

Illinois Environmental Protection Agency

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663 Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAP 372: IL 171 (1st Ave) from 47th St to 55th St Office Phone Number, if available: _____

Physical Site Location (address, inclduding number and street):

IL 171 between the Chicago Sanitary and Ship Canal and the Canadian National/Illinois Central Railroad

City: Summit State: IL Zip Code: _____

County: Cook Township: _____

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.791736520 (Decimal Degrees) Longitude: -87.816612805 (-Decimal Degrees)

Identify how the lat/long data were determined:

☒ GPS ☐ Map Interpolation ☐ Photo Interpolation ☐ Survey ☐ Other

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner		Site Operator	
Name:	Illinois Department of Transportation	Name:	Illinois Department of Transportation
Street Address:	201 West Center Court	Street Address:	201 West Center Court
PO Box:		PO Box:	
City:	Schaumburg State: IL	City:	Schaumburg State: IL
Zip Code:	60196-1096 Phone: 847-705-4101	Zip Code:	60196-1096 Phone: 847-705-4101
Contact:	Sam Mead	Contact:	Sam Mead
Email, if available:	Sam.Mead@illinois.gov	Email, if available:	Sam.Mead@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAP 372: IL 171 (1st Ave) from 47th St to 55th St

Latitude: 41.791736520 Longitude: -87.816612805

Uncontaminated Site Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

LOCATIONS MWR-1, MWR-3, and MWR-4 WERE SAMPLED ADJACENT TO ISGS SITE No. 1860-27. SEE FIGURES 3-2 and 3-3 AND TABLE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201(g), 1100.205(a), 1100.610]:

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-74360-1

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Steven Gobelman, P.E., L.P.G (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman, P.E., L.P.G
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

6/12/14
Date:

P.E. or L.P.G. Seal:

Summary Table of ISGS Site No. 1860-27
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	MWR-1(0-6)-040214	MWR-3(0-4)-040214	MWR-3(4-8)-040214	MWR-4(0-6)-040214	**Soil Reference Concentrations[A]**
Sample Date	4/2/2014	4/2/2014	4/2/2014	4/2/2014	
Location ID	MWR-1	MWR-3	MWR-3	MWR-4	
ISGS Site No.	1860-27	1860-27	1860-27	1860-27	
Depth	0 - 6	0 - 4	4 - 8	0 - 6	
Lab Sample ID	500-74360-7	500-74360-1	500-74360-3	500-74360-4	
Parameter					
Laboratory pH (s.u.)	8.9	7.75	8.63	8.64	<6.25,>9.0
VOCs (ug/kg)					
Acetone	8.8	27	34	7.3	25000
cis-1,2-Dichloroethene	ND	ND	4.9 J	ND	400
Methyl ethyl ketone	ND	5.3 J	6.5	ND	17000
SVOCs (ug/kg)					
2-Methylnaphthalene	19 J	ND	12 J	ND	---
Acenaphthene	150	ND	17 J	ND	570000
Anthracene	190	9.5 J	40	ND	1.20E+07
Benzo(a)anthracene	72	31 J	140	12 J	900 / 1100 / 1800
Benzo(a)pyrene	50	41	110	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	72	44	160	28 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	34 J	28 J	82	23 J	2300000
Benzo(k)fluoranthene	31 J	18 J	57	16 J	9000
bis(2-Ethylhexyl)phthalate	ND	ND	100 J	ND	46000
Chrysene	130	37	200	18 J	88000
Dibenzo(a,h)anthracene	26 J	23 J	35 J	23 J	90 / 200 / 420
Dibenzofuran	95 J	ND	ND	ND	---
Fluoranthene	490	58	240	14 J	3100000
Fluorene	24 J	ND	25 J	ND	560000
Indeno(1,2,3-cd)pyrene	29 J	27 J	62	23 J	900 / 900 / 1600
Isophorone	ND	ND	78 J	ND	8000
Naphthalene, SVOC	15 J	12 J	31 J	ND	1800
Phenanthrene	570	43	150	22 J	210000
Pyrene	350	59	210	24 J	2300000
Total Metals (mg/kg)					
Arsenic, Total	4.6	7	6.3	5.9	11.3 / 13
Barium, Total	37	53	58	68	1500
Beryllium, Total	0.53	0.43	0.44	0.57	22
Cadmium, Total	0.63	0.72	0.78	0.61	5.2
Calcium, Total	53000 J-	43000 J-	47000 J-	46000 J-	---
Chromium, Total	18	14	14	18	21
Cobalt, Total	8.7 J-	7.3 J-	7.8 J-	10 J-	20
Copper, Total	18	26	25	23	2900
Iron, Total	18000 J	16000 J	15000 J	19000 J	15000 / 15900
Lead, Total	8.3 J	20 J	26 J	10 J	107
Magnesium, Total	24000 J	24000 J	26000 J	22000 J	325000
Manganese, Total	370 J-	320 J-	330 J-	370 J-	630 / 636
Mercury, Total	0.024	0.03	0.028	0.017 J	0.89
Nickel, Total	24 J-	18 J-	19 J-	26 J-	100
Potassium, Total	3100 J	1700 J	1600 J	3300 J	---
Silver, Total	0.03 J	0.1 J	0.08 J	0.023 J	4.4
Sodium, Total	2500 J+	1300 J+	560 J+	2000 J+	---
Thallium, Total	0.28 J	ND	ND	ND	2.6
Vanadium, Total	19	18	18	21	550
Zinc, Total	37	51	89	39	5100
TCLP Metals (mg/l)					
Barium, TCLP	0.99 B	0.7	ND	0.67	2
Cadmium, TCLP	0.004 J	ND	0.0038 J	ND	0.005
Cobalt, TCLP	0.063	0.014 J	0.015 J	0.016 J	1
Copper, TCLP	0.02 J	ND	ND	ND	0.65
Iron, TCLP	0.35	ND	ND	ND	5
Lead, TCLP	0.031	0.012	0.049	ND	0.0075
Manganese, TCLP	13	5.4	5.8	3.5	0.15
Nickel, TCLP	0.056	0.01 J	0.013 J	0.02 J	0.1

Summary Table of ISGS Site No. 1860-27
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	MWR-1(0-6)-040214	MWR-3(0-4)-040214	MWR-3(4-8)-040214	MWR-4(0-6)-040214	**Soil Reference Concentrations[A]**
Sample Date	4/2/2014	4/2/2014	4/2/2014	4/2/2014	
Location ID	MWR-1	MWR-3	MWR-3	MWR-4	
ISGS Site No.	1860-27	1860-27	1860-27	1860-27	
Depth	0 - 6	0 - 4	4 - 8	0 - 6	
Lab Sample ID	500-74360-7	500-74360-1	500-74360-3	500-74360-4	
Parameter					
SPLP Metals (mg/l)					
Arsenic, SPLP	0.058	ND	ND	0.039 J	0.05
Barium, SPLP	0.98	0.16 J	0.057 J	0.53	2
Beryllium, SPLP	0.0065	ND	ND	ND	0.004
Cadmium, SPLP	0.0031 J	ND	ND	0.0023 J	0.005
Chromium, SPLP	0.18	0.021 J	ND	0.1	0.1
Cobalt, SPLP	0.099	ND	ND	0.057	1
Copper, SPLP	0.21	0.031	0.01 J	0.13	0.65
Iron, SPLP	180	20	0.57	99	5
Lead, SPLP	0.22	0.035	ND	0.099	0.0075
Manganese, SPLP	2.6	0.4	0.058	1.4	0.15
Mercury, SPLP	0.00033	ND	ND	0.00019 J	0.002
Nickel, SPLP	0.23	0.018 J	ND	0.13	0.1
Selenium, SPLP	0.013 J	ND	ND	ND	0.05
Zinc, SPLP	0.5	0.11	0.037 J	0.28	5

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

Shaded values indicate concentration **exceeds** Reference Concentration.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-74360-1
Client Project/Site: IDOT - Lyons, McCook, Summit - 050

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar

Authorized for release by:
4/14/2014 11:15:28 AM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

Review your project results through TotalAccess

Have a Question? Ask The Expert

Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74360-1

Client Sample ID: MWR-3(0-4)-040214
Date Collected: 04/02/14 10:35
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74360-1
Matrix: Solid
Percent Solids: 85.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**27**		5.8	2.5	ug/Kg	☼		04/04/14 16:29	1
Benzene	<5.8		5.8	0.80	ug/Kg	☼		04/04/14 16:29	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/04/14 16:29	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		04/04/14 16:29	1
Bromomethane	<5.8		5.8	1.8	ug/Kg	☼		04/04/14 16:29	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		04/04/14 16:29	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		04/04/14 16:29	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		04/04/14 16:29	1
Chloroethane	<5.8	*	5.8	1.6	ug/Kg	☼		04/04/14 16:29	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		04/04/14 16:29	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		04/04/14 16:29	1
cis-1,2-Dichloroethene	<5.8		5.8	0.83	ug/Kg	☼		04/04/14 16:29	1
cis-1,3-Dichloropropene	<5.8		5.8	0.77	ug/Kg	☼		04/04/14 16:29	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/04/14 16:29	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		04/04/14 16:29	1
1,2-Dichloroethane	<5.8		5.8	0.87	ug/Kg	☼		04/04/14 16:29	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		04/04/14 16:29	1
1,2-Dichloropropane	<5.8		5.8	0.89	ug/Kg	☼		04/04/14 16:29	1
1,3-Dichloropropene, Total	<5.8		5.8	0.77	ug/Kg	☼		04/04/14 16:29	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		04/04/14 16:29	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		04/04/14 16:29	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		04/04/14 16:29	1
Methyl Ethyl Ketone	**5.3**	**J**	5.8	2.1	ug/Kg	☼		04/04/14 16:29	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		04/04/14 16:29	1
Methyl tert-butyl ether	<5.8		5.8	0.97	ug/Kg	☼		04/04/14 16:29	1
Styrene	<5.8		5.8	0.77	ug/Kg	☼		04/04/14 16:29	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		04/04/14 16:29	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		04/04/14 16:29	1
Toluene	<5.8		5.8	0.82	ug/Kg	☼		04/04/14 16:29	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		04/04/14 16:29	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		04/04/14 16:29	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		04/04/14 16:29	1
1,1,2-Trichloroethane	<5.8		5.8	0.80	ug/Kg	☼		04/04/14 16:29	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		04/04/14 16:29	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		04/04/14 16:29	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/04/14 16:29	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*88*		*70 - 122*		*04/04/14 16:29*	*1*
Dibromofluoromethane	*108*		*75 - 120*		*04/04/14 16:29*	*1*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 134*		*04/04/14 16:29*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*04/04/14 16:29*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
1,2-Dichlorobenzene	<180		180	44	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
1,3-Dichlorobenzene	<180		180	41	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
1,4-Dichlorobenzene	<180		180	47	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74360-1

Client Sample ID: MWR-3(0-4)-040214
Date Collected: 04/02/14 10:35
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74360-1
Matrix: Solid
Percent Solids: 85.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	83	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
2,4,6-Trichlorophenol	<360		360	130	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
2,4-Dichlorophenol	<360		360	87	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
2,4-Dinitrophenol	<740		740	640	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
2,4-Dinitrotoluene	<180		180	58	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
2,6-Dinitrotoluene	<180		180	72	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
2-Chlorophenol	<180		180	62	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
2-Methylnaphthalene	<36		36	6.7	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
2-Methylphenol	<180		180	59	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
2-Nitroaniline	<180		180	49	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
2-Nitrophenol	<360		360	86	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
3 & 4 Methylphenol	<180		180	61	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
3,3'-Dichlorobenzidine	<180		180	51	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
4-Bromophenyl phenyl ether	<180		180	48	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
4-Chloroaniline	<740		740	170	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
4-Chlorophenyl phenyl ether	<180		180	43	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
4-Nitrophenol	<740		740	350	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Acenaphthene	<36		36	6.6	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Acenaphthylene	<36		36	4.8	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Anthracene	**9.5**	**J**	36	6.1	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Benzo[a]anthracene	**31**	**J**	36	4.9	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Benzo[a]pyrene	**41**		36	7.1	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Benzo[b]fluoranthene	**44**		36	7.9	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Benzo[g,h,i]perylene	**28**	**J**	36	12	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Benzo[k]fluoranthene	**18**	**J**	36	11	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Bis(2-chloroethyl)ether	<180		180	55	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Bis(2-ethylhexyl) phthalate	<180		180	67	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Butyl benzyl phthalate	<180		180	69	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Carbazole	<180		180	94	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Chrysene	**37**		36	9.9	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Dibenz(a,h)anthracene	**23**	**J**	36	7.0	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Dibenzofuran	<180		180	43	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Diethyl phthalate	<180		180	62	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Dimethyl phthalate	<180		180	48	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Di-n-butyl phthalate	<180		180	56	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Di-n-octyl phthalate	<180		180	60	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Fluoranthene	**58**		36	6.8	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Fluorene	<36		36	5.1	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Hexachlorobenzene	<74		74	8.5	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Hexachlorobutadiene	<180		180	57	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Hexachlorocyclopentadiene	<740		740	210	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Hexachloroethane	<180		180	55	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74360-1

Client Sample ID: MWR-3(0-4)-040214
Date Collected: 04/02/14 10:35
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74360-1
Matrix: Solid
Percent Solids: 85.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	27	J	36	9.5	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Isophorone	<180		180	41	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Naphthalene	12	J	36	5.6	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Nitrobenzene	<36		36	9.1	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
N-Nitrosodi-n-propylamine	<180		180	45	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
N-Nitrosodiphenylamine	<180		180	43	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Pentachlorophenol	<740		740	590	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Phenanthrene	43		36	5.1	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Phenol	<180		180	81	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1
Pyrene	59		36	7.2	ug/Kg	☼	04/04/14 07:20	04/08/14 10:13	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*88*		*35 - 137*	*04/04/14 07:20*	*04/08/14 10:13*	*1*
2-Fluorobiphenyl	*75*		*25 - 119*	*04/04/14 07:20*	*04/08/14 10:13*	*1*
2-Fluorophenol	*66*		*25 - 110*	*04/04/14 07:20*	*04/08/14 10:13*	*1*
Nitrobenzene-d5	*64*		*25 - 115*	*04/04/14 07:20*	*04/08/14 10:13*	*1*
Phenol-d5	*63*		*31 - 110*	*04/04/14 07:20*	*04/08/14 10:13*	*1*
Terphenyl-d14	*119*		*36 - 134*	*04/04/14 07:20*	*04/08/14 10:13*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/10/14 09:45	04/11/14 01:46	1
Barium	0.70		0.50	0.050	mg/L		04/10/14 09:45	04/11/14 01:46	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/10/14 09:45	04/11/14 01:46	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/10/14 09:45	04/11/14 01:46	1
Chromium	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/11/14 01:46	1
Cobalt	0.014	J	0.025	0.010	mg/L		04/10/14 09:45	04/11/14 01:46	1
Copper	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/11/14 01:46	1
Iron	<0.20		0.20	0.20	mg/L		04/10/14 09:45	04/11/14 01:46	1
Lead	0.012		0.0075	0.0075	mg/L		04/10/14 09:45	04/11/14 01:46	1
Manganese	5.4		0.025	0.010	mg/L		04/10/14 09:45	04/11/14 01:46	1
Nickel	0.010	J	0.025	0.010	mg/L		04/10/14 09:45	04/11/14 01:46	1
Selenium	<0.050		0.050	0.010	mg/L		04/10/14 09:45	04/11/14 01:46	1
Silver	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/11/14 01:46	1
Zinc	0.24		0.10	0.020	mg/L		04/10/14 09:45	04/11/14 01:46	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/10/14 09:45	04/10/14 18:24	1
Barium	0.16	J	0.50	0.050	mg/L		04/10/14 09:45	04/10/14 18:24	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/10/14 09:45	04/10/14 18:24	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/10/14 09:45	04/10/14 18:24	1
Chromium	0.021	J	0.025	0.010	mg/L		04/10/14 09:45	04/10/14 18:24	1
Cobalt	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 18:24	1
Copper	0.031		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 18:24	1
Iron	20		0.20	0.20	mg/L		04/10/14 09:45	04/10/14 18:24	1
Lead	0.035		0.0075	0.0075	mg/L		04/10/14 09:45	04/10/14 18:24	1
Manganese	0.40		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 18:24	1
Nickel	0.018	J	0.025	0.010	mg/L		04/10/14 09:45	04/10/14 18:24	1
Selenium	<0.050		0.050	0.010	mg/L		04/10/14 09:45	04/10/14 18:24	1

Client Sample ID: MWR-3(0-4)-040214
Date Collected: 04/02/14 10:35
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74360-1
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 18:24	1
Zinc	**0.11**		0.10	0.020	mg/L		04/10/14 09:45	04/10/14 18:24	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.43	mg/Kg	☼	04/04/14 17:00	04/10/14 03:41	1
Arsenic	**7.0**		0.54	0.11	mg/Kg	☼	04/04/14 17:00	04/10/14 03:41	1
Barium	**53**		0.54	0.057	mg/Kg	☼	04/04/14 17:00	04/10/14 03:41	1
Beryllium	**0.43**		0.21	0.043	mg/Kg	☼	04/04/14 17:00	04/10/14 03:41	1
Cadmium	**0.72**		0.11	0.014	mg/Kg	☼	04/04/14 17:00	04/10/14 03:41	1
Calcium	**43000**	**B**	11	2.9	mg/Kg	☼	04/04/14 17:00	04/10/14 03:41	1
Chromium	**14**		0.54	0.062	mg/Kg	☼	04/04/14 17:00	04/10/14 03:41	1
Cobalt	**7.3**		0.27	0.054	mg/Kg	☼	04/04/14 17:00	04/10/14 03:41	1
Copper	**26**		0.54	0.11	mg/Kg	☼	04/04/14 17:00	04/10/14 03:41	1
Iron	**16000**		11	4.4	mg/Kg	☼	04/04/14 17:00	04/10/14 03:41	1
Lead	**20**	**B**	0.27	0.080	mg/Kg	☼	04/04/14 17:00	04/10/14 03:41	1
Magnesium	**24000**	**B**	5.4	1.1	mg/Kg	☼	04/04/14 17:00	04/10/14 03:41	1
Manganese	**320**		0.54	0.11	mg/Kg	☼	04/04/14 17:00	04/10/14 03:41	1
Nickel	**18**		0.54	0.11	mg/Kg	☼	04/04/14 17:00	04/10/14 03:41	1
Potassium	**1700**	**B**	27	1.6	mg/Kg	☼	04/04/14 17:00	04/10/14 03:41	1
Selenium	<0.58		0.58	0.21	mg/Kg	☼	04/10/14 16:00	04/11/14 18:32	1
Silver	**0.10**	**J**	0.27	0.019	mg/Kg	☼	04/04/14 17:00	04/10/14 03:41	1
Sodium	**1300**		54	7.2	mg/Kg	☼	04/04/14 17:00	04/10/14 03:41	1
Thallium	<0.54		0.54	0.23	mg/Kg	☼	04/04/14 17:00	04/10/14 03:41	1
Vanadium	**18**		0.27	0.040	mg/Kg	☼	04/04/14 17:00	04/10/14 03:41	1
Zinc	**51**		1.1	0.22	mg/Kg	☼	04/04/14 17:00	04/10/14 03:41	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.10	ug/L		04/10/14 13:50	04/11/14 11:09	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.10	ug/L		04/10/14 13:50	04/11/14 11:36	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**30**		19	7.4	ug/Kg	☼	04/04/14 13:35	04/07/14 12:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.75**		0.200	0.200	SU			04/07/14 14:17	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74360-1

Client Sample ID: MWR-3(4-8)-040214
Date Collected: 04/02/14 10:45
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74360-3
Matrix: Solid
Percent Solids: 85.8

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**34**		5.8	2.5	ug/Kg	☼		04/04/14 17:40	1
Benzene	<5.8		5.8	0.80	ug/Kg	☼		04/04/14 17:40	1
Bromodichloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/04/14 17:40	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		04/04/14 17:40	1
Bromomethane	<5.8		5.8	1.8	ug/Kg	☼		04/04/14 17:40	1
Carbon disulfide	<5.8		5.8	0.87	ug/Kg	☼		04/04/14 17:40	1
Carbon tetrachloride	<5.8		5.8	1.1	ug/Kg	☼		04/04/14 17:40	1
Chlorobenzene	<5.8		5.8	0.59	ug/Kg	☼		04/04/14 17:40	1
Chloroethane	<5.8	*	5.8	1.6	ug/Kg	☼		04/04/14 17:40	1
Chloroform	<5.8		5.8	0.67	ug/Kg	☼		04/04/14 17:40	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		04/04/14 17:40	1
cis-1,2-Dichloroethene	**4.9**	**J**	5.8	0.82	ug/Kg	☼		04/04/14 17:40	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		04/04/14 17:40	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/04/14 17:40	1
1,1-Dichloroethane	<5.8		5.8	0.92	ug/Kg	☼		04/04/14 17:40	1
1,2-Dichloroethane	<5.8		5.8	0.86	ug/Kg	☼		04/04/14 17:40	1
1,1-Dichloroethene	<5.8		5.8	0.94	ug/Kg	☼		04/04/14 17:40	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		04/04/14 17:40	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		04/04/14 17:40	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		04/04/14 17:40	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		04/04/14 17:40	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		04/04/14 17:40	1
Methyl Ethyl Ketone	**6.5**		5.8	2.1	ug/Kg	☼		04/04/14 17:40	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		04/04/14 17:40	1
Methyl tert-butyl ether	<5.8		5.8	0.96	ug/Kg	☼		04/04/14 17:40	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		04/04/14 17:40	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		04/04/14 17:40	1
Tetrachloroethene	<5.8		5.8	0.89	ug/Kg	☼		04/04/14 17:40	1
Toluene	<5.8		5.8	0.82	ug/Kg	☼		04/04/14 17:40	1
trans-1,2-Dichloroethene	<5.8		5.8	0.80	ug/Kg	☼		04/04/14 17:40	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		04/04/14 17:40	1
1,1,1-Trichloroethane	<5.8		5.8	0.87	ug/Kg	☼		04/04/14 17:40	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		04/04/14 17:40	1
Trichloroethene	<5.8		5.8	0.96	ug/Kg	☼		04/04/14 17:40	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		04/04/14 17:40	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/04/14 17:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 122*		*04/04/14 17:40*	*1*
Dibromofluoromethane	*110*		*75 - 120*		*04/04/14 17:40*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*		*04/04/14 17:40*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*04/04/14 17:40*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74360-1

Client Sample ID: MWR-3(4-8)-040214
Date Collected: 04/02/14 10:45
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74360-3
Matrix: Solid
Percent Solids: 85.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	86	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
2,4-Dichlorophenol	<370		370	89	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
2,4-Dinitrophenol	<760		760	660	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
2,4-Dinitrotoluene	<190		190	60	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
2,6-Dinitrotoluene	<190		190	74	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
2-Methylnaphthalene	**12**	**J**	37	6.9	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
2-Methylphenol	<190		190	60	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
2-Nitrophenol	<370		370	89	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
3 & 4 Methylphenol	<190		190	63	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
4-Chloroaniline	<760		760	180	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
4-Nitrophenol	<760		760	360	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Acenaphthene	**17**	**J**	37	6.7	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Anthracene	**40**		37	6.3	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Benzo[a]anthracene	**140**		37	5.0	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Benzo[a]pyrene	**110**		37	7.3	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Benzo[b]fluoranthene	**160**		37	8.1	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Benzo[g,h,i]perylene	**82**		37	12	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Benzo[k]fluoranthene	**57**		37	11	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Bis(2-ethylhexyl) phthalate	**100**	**J**	190	69	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Carbazole	<190		190	97	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Chrysene	**200**		37	10	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Dibenz(a,h)anthracene	**35**	**J**	37	7.2	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Dibenzofuran	<190		190	44	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Diethyl phthalate	<190		190	64	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Fluoranthene	**240**		37	7.0	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Fluorene	**25**	**J**	37	5.3	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Hexachlorobenzene	<76		76	8.7	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Hexachlorocyclopentadiene	<760		760	220	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Hexachloroethane	<190		190	57	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74360-1

Client Sample ID: MWR-3(4-8)-040214
Date Collected: 04/02/14 10:45
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74360-3
Matrix: Solid
Percent Solids: 85.8

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	62		37	9.7	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Isophorone	78	J	190	42	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Naphthalene	31	J	37	5.8	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Nitrobenzene	<37		37	9.4	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Pentachlorophenol	<760		760	600	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Phenanthrene	150		37	5.2	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Phenol	<190		190	83	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1
Pyrene	210		37	7.4	ug/Kg	☼	04/04/14 07:20	04/08/14 10:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*83*		*35 - 137*	*04/04/14 07:20*	*04/08/14 10:32*	*1*
2-Fluorobiphenyl	*79*		*25 - 119*	*04/04/14 07:20*	*04/08/14 10:32*	*1*
2-Fluorophenol	*66*		*25 - 110*	*04/04/14 07:20*	*04/08/14 10:32*	*1*
Nitrobenzene-d5	*62*		*25 - 115*	*04/04/14 07:20*	*04/08/14 10:32*	*1*
Phenol-d5	*62*		*31 - 110*	*04/04/14 07:20*	*04/08/14 10:32*	*1*
Terphenyl-d14	*111*		*36 - 134*	*04/04/14 07:20*	*04/08/14 10:32*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/10/14 09:45	04/11/14 02:11	1
Barium	0.44	J	0.50	0.050	mg/L		04/10/14 09:45	04/11/14 02:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/10/14 09:45	04/11/14 02:11	1
Cadmium	0.0038	J	0.0050	0.0020	mg/L		04/10/14 09:45	04/11/14 02:11	1
Chromium	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/11/14 02:11	1
Cobalt	0.015	J	0.025	0.010	mg/L		04/10/14 09:45	04/11/14 02:11	1
Copper	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/11/14 02:11	1
Iron	<0.20		0.20	0.20	mg/L		04/10/14 09:45	04/11/14 02:11	1
Lead	0.049		0.0075	0.0075	mg/L		04/10/14 09:45	04/11/14 02:11	1
Manganese	5.8		0.025	0.010	mg/L		04/10/14 09:45	04/11/14 02:11	1
Nickel	0.013	J	0.025	0.010	mg/L		04/10/14 09:45	04/11/14 02:11	1
Selenium	<0.050		0.050	0.010	mg/L		04/10/14 09:45	04/11/14 02:11	1
Silver	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/11/14 02:11	1
Zinc	0.16		0.10	0.020	mg/L		04/10/14 09:45	04/11/14 02:11	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/10/14 09:45	04/10/14 18:28	1
Barium	0.057	J	0.50	0.050	mg/L		04/10/14 09:45	04/10/14 18:28	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/10/14 09:45	04/10/14 18:28	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/10/14 09:45	04/10/14 18:28	1
Chromium	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 18:28	1
Cobalt	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 18:28	1
Copper	0.010	J	0.025	0.010	mg/L		04/10/14 09:45	04/10/14 18:28	1
Iron	0.57		0.20	0.20	mg/L		04/10/14 09:45	04/10/14 18:28	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/10/14 09:45	04/10/14 18:28	1
Manganese	0.058		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 18:28	1
Nickel	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 18:28	1
Selenium	<0.050		0.050	0.010	mg/L		04/10/14 09:45	04/10/14 18:28	1

Client Sample ID: MWR-3(4-8)-040214
Date Collected: 04/02/14 10:45
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74360-3
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 18:28	1
Zinc	**0.037**	**J**	0.10	0.020	mg/L		04/10/14 09:45	04/10/14 18:28	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.46	mg/Kg	☼	04/04/14 17:00	04/10/14 03:47	1
Arsenic	**6.3**		0.57	0.11	mg/Kg	☼	04/04/14 17:00	04/10/14 03:47	1
Barium	**58**		0.57	0.061	mg/Kg	☼	04/04/14 17:00	04/10/14 03:47	1
Beryllium	**0.44**		0.23	0.046	mg/Kg	☼	04/04/14 17:00	04/10/14 03:47	1
Cadmium	**0.78**		0.11	0.015	mg/Kg	☼	04/04/14 17:00	04/10/14 03:47	1
Calcium	**47000**	**B**	11	3.1	mg/Kg	☼	04/04/14 17:00	04/10/14 03:47	1
Chromium	**14**		0.57	0.066	mg/Kg	☼	04/04/14 17:00	04/10/14 03:47	1
Cobalt	**7.8**		0.29	0.057	mg/Kg	☼	04/04/14 17:00	04/10/14 03:47	1
Copper	**25**		0.57	0.11	mg/Kg	☼	04/04/14 17:00	04/10/14 03:47	1
Iron	**15000**		11	4.7	mg/Kg	☼	04/04/14 17:00	04/10/14 03:47	1
Lead	**26**	**B**	0.29	0.085	mg/Kg	☼	04/04/14 17:00	04/10/14 03:47	1
Magnesium	**26000**	**B**	5.7	1.2	mg/Kg	☼	04/04/14 17:00	04/10/14 03:47	1
Manganese	**330**		0.57	0.11	mg/Kg	☼	04/04/14 17:00	04/10/14 03:47	1
Nickel	**19**		0.57	0.11	mg/Kg	☼	04/04/14 17:00	04/10/14 03:47	1
Potassium	**1600**	**B**	29	1.7	mg/Kg	☼	04/04/14 17:00	04/10/14 03:47	1
Selenium	<0.58		0.58	0.21	mg/Kg	☼	04/10/14 16:00	04/11/14 18:38	1
Silver	**0.080**	**J**	0.29	0.021	mg/Kg	☼	04/04/14 17:00	04/10/14 03:47	1
Sodium	**560**		57	7.7	mg/Kg	☼	04/04/14 17:00	04/10/14 03:47	1
Thallium	<0.57		0.57	0.24	mg/Kg	☼	04/04/14 17:00	04/10/14 03:47	1
Vanadium	**18**		0.29	0.042	mg/Kg	☼	04/04/14 17:00	04/10/14 03:47	1
Zinc	**89**		1.1	0.23	mg/Kg	☼	04/04/14 17:00	04/10/14 03:47	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.10	ug/L		04/10/14 13:50	04/11/14 11:11	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.10	ug/L		04/10/14 13:50	04/11/14 11:38	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**28**		17	6.7	ug/Kg	☼	04/04/14 13:35	04/07/14 12:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.63**		0.200	0.200	SU			04/07/14 14:22	1

Client Sample ID: MWR-4(0-6)-040214
Date Collected: 04/02/14 11:00
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74360-4
Matrix: Solid
Percent Solids: 84.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	7.3		5.9	2.6	ug/Kg	☼		04/04/14 18:04	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		04/04/14 18:04	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/04/14 18:04	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		04/04/14 18:04	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		04/04/14 18:04	1
Carbon disulfide	<5.9		5.9	0.89	ug/Kg	☼		04/04/14 18:04	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		04/04/14 18:04	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		04/04/14 18:04	1
Chloroethane	<5.9	*	5.9	1.6	ug/Kg	☼		04/04/14 18:04	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		04/04/14 18:04	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		04/04/14 18:04	1
cis-1,2-Dichloroethene	<5.9		5.9	0.84	ug/Kg	☼		04/04/14 18:04	1
cis-1,3-Dichloropropene	<5.9		5.9	0.78	ug/Kg	☼		04/04/14 18:04	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/04/14 18:04	1
1,1-Dichloroethane	<5.9		5.9	0.94	ug/Kg	☼		04/04/14 18:04	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/04/14 18:04	1
1,1-Dichloroethene	<5.9		5.9	0.96	ug/Kg	☼		04/04/14 18:04	1
1,2-Dichloropropane	<5.9		5.9	0.90	ug/Kg	☼		04/04/14 18:04	1
1,3-Dichloropropene, Total	<5.9		5.9	0.78	ug/Kg	☼		04/04/14 18:04	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		04/04/14 18:04	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		04/04/14 18:04	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		04/04/14 18:04	1
Methyl Ethyl Ketone	<5.9		5.9	2.2	ug/Kg	☼		04/04/14 18:04	1
methyl isobutyl ketone	<5.9		5.9	1.6	ug/Kg	☼		04/04/14 18:04	1
Methyl tert-butyl ether	<5.9		5.9	0.98	ug/Kg	☼		04/04/14 18:04	1
Styrene	<5.9		5.9	0.78	ug/Kg	☼		04/04/14 18:04	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		04/04/14 18:04	1
Tetrachloroethene	<5.9		5.9	0.91	ug/Kg	☼		04/04/14 18:04	1
Toluene	<5.9		5.9	0.83	ug/Kg	☼		04/04/14 18:04	1
trans-1,2-Dichloroethene	<5.9		5.9	0.82	ug/Kg	☼		04/04/14 18:04	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		04/04/14 18:04	1
1,1,1-Trichloroethane	<5.9		5.9	0.89	ug/Kg	☼		04/04/14 18:04	1
1,1,2-Trichloroethane	<5.9		5.9	0.81	ug/Kg	☼		04/04/14 18:04	1
Trichloroethene	<5.9		5.9	0.98	ug/Kg	☼		04/04/14 18:04	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		04/04/14 18:04	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		04/04/14 18:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*80*		*70 - 122*		*04/04/14 18:04*	*1*
Dibromofluoromethane	*109*		*75 - 120*		*04/04/14 18:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 134*		*04/04/14 18:04*	*1*
Toluene-d8 (Surr)	*103*		*75 - 122*		*04/04/14 18:04*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74360-1

Client Sample ID: MWR-4(0-6)-040214
Date Collected: 04/02/14 11:00
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74360-4
Matrix: Solid
Percent Solids: 84.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
2-Methylnaphthalene	<39		39	7.2	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
2-Methylphenol	<200		200	63	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
4,6-Dinitro-2-methylphenol	<390		390	310	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Anthracene	<39		39	6.5	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Benzo[a]anthracene	**12**	**J**	39	5.3	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Benzo[b]fluoranthene	**28**	**J**	39	8.4	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Benzo[g,h,i]perylene	**23**	**J**	39	13	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Benzo[k]fluoranthene	**16**	**J**	39	12	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Bis(2-ethylhexyl) phthalate	<200		200	72	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Carbazole	<200		200	100	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Chrysene	**18**	**J**	39	11	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Dibenz(a,h)anthracene	**23**	**J**	39	7.6	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Dibenzofuran	<200		200	46	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Fluoranthene	**14**	**J**	39	7.3	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Fluorene	<39		39	5.5	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Hexachlorobutadiene	<200		200	62	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Hexachlorocyclopentadiene	<790		790	230	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Hexachloroethane	<200		200	60	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74360-1

Client Sample ID: MWR-4(0-6)-040214
Date Collected: 04/02/14 11:00
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74360-4
Matrix: Solid
Percent Solids: 84.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	23	J	39	10	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Isophorone	<200		200	44	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Naphthalene	<39		39	6.0	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Phenanthrene	22	J	39	5.5	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Phenol	<200		200	87	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1
Pyrene	24	J	39	7.8	ug/Kg	☼	04/04/14 07:20	04/08/14 10:51	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*79*		*35 - 137*	*04/04/14 07:20*	*04/08/14 10:51*	*1*
2-Fluorobiphenyl	*74*		*25 - 119*	*04/04/14 07:20*	*04/08/14 10:51*	*1*
2-Fluorophenol	*74*		*25 - 110*	*04/04/14 07:20*	*04/08/14 10:51*	*1*
Nitrobenzene-d5	*63*		*25 - 115*	*04/04/14 07:20*	*04/08/14 10:51*	*1*
Phenol-d5	*66*		*31 - 110*	*04/04/14 07:20*	*04/08/14 10:51*	*1*
Terphenyl-d14	*127*		*36 - 134*	*04/04/14 07:20*	*04/08/14 10:51*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/10/14 09:45	04/11/14 02:32	1
Barium	0.67		0.50	0.050	mg/L		04/10/14 09:45	04/11/14 02:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/10/14 09:45	04/11/14 02:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/10/14 09:45	04/11/14 02:32	1
Chromium	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/11/14 02:32	1
Cobalt	0.016	J	0.025	0.010	mg/L		04/10/14 09:45	04/11/14 02:32	1
Copper	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/11/14 02:32	1
Iron	<0.20		0.20	0.20	mg/L		04/10/14 09:45	04/11/14 02:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/10/14 09:45	04/11/14 02:32	1
Manganese	3.5		0.025	0.010	mg/L		04/10/14 09:45	04/11/14 02:32	1
Nickel	0.020	J	0.025	0.010	mg/L		04/10/14 09:45	04/11/14 02:32	1
Selenium	<0.050		0.050	0.010	mg/L		04/10/14 09:45	04/11/14 02:32	1
Silver	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/11/14 02:32	1
Zinc	0.043	J	0.10	0.020	mg/L		04/10/14 09:45	04/11/14 02:32	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.039	J	0.050	0.010	mg/L		04/10/14 09:45	04/10/14 18:40	1
Barium	0.53		0.50	0.050	mg/L		04/10/14 09:45	04/10/14 18:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/10/14 09:45	04/10/14 18:40	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		04/10/14 09:45	04/10/14 18:40	1
Chromium	0.10		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 18:40	1
Cobalt	0.057		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 18:40	1
Copper	0.13		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 18:40	1
Iron	99		0.20	0.20	mg/L		04/10/14 09:45	04/10/14 18:40	1
Lead	0.099		0.0075	0.0075	mg/L		04/10/14 09:45	04/10/14 18:40	1
Manganese	1.4		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 18:40	1
Nickel	0.13		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 18:40	1
Selenium	<0.050		0.050	0.010	mg/L		04/10/14 09:45	04/10/14 18:40	1

Client Sample ID: MWR-4(0-6)-040214
Date Collected: 04/02/14 11:00
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74360-4
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 18:40	1
Zinc	**0.28**		0.10	0.020	mg/L		04/10/14 09:45	04/10/14 18:40	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.47	mg/Kg	☼	04/04/14 17:00	04/10/14 04:14	1
Arsenic	**5.9**		0.58	0.12	mg/Kg	☼	04/04/14 17:00	04/10/14 04:14	1
Barium	**68**		0.58	0.062	mg/Kg	☼	04/04/14 17:00	04/10/14 04:14	1
Beryllium	**0.57**		0.23	0.046	mg/Kg	☼	04/04/14 17:00	04/10/14 04:14	1
Cadmium	**0.61**		0.12	0.015	mg/Kg	☼	04/04/14 17:00	04/10/14 04:14	1
Calcium	**46000**	**B**	12	3.1	mg/Kg	☼	04/04/14 17:00	04/10/14 04:14	1
Chromium	**18**		0.58	0.067	mg/Kg	☼	04/04/14 17:00	04/10/14 04:14	1
Cobalt	**10**		0.29	0.058	mg/Kg	☼	04/04/14 17:00	04/10/14 04:14	1
Copper	**23**		0.58	0.12	mg/Kg	☼	04/04/14 17:00	04/10/14 04:14	1
Iron	**19000**		12	4.8	mg/Kg	☼	04/04/14 17:00	04/10/14 04:14	1
Lead	**10**	**B**	0.29	0.087	mg/Kg	☼	04/04/14 17:00	04/10/14 04:14	1
Magnesium	**22000**	**B**	5.8	1.2	mg/Kg	☼	04/04/14 17:00	04/10/14 04:14	1
Manganese	**370**		0.58	0.12	mg/Kg	☼	04/04/14 17:00	04/10/14 04:14	1
Nickel	**26**		0.58	0.12	mg/Kg	☼	04/04/14 17:00	04/10/14 04:14	1
Potassium	**3300**	**B**	29	1.7	mg/Kg	☼	04/04/14 17:00	04/10/14 04:14	1
Selenium	<0.55		0.55	0.20	mg/Kg	☼	04/10/14 16:00	04/11/14 18:44	1
Silver	**0.023**	**J**	0.29	0.021	mg/Kg	☼	04/04/14 17:00	04/10/14 04:14	1
Sodium	**2000**		58	7.8	mg/Kg	☼	04/04/14 17:00	04/10/14 04:14	1
Thallium	<0.58		0.58	0.25	mg/Kg	☼	04/04/14 17:00	04/10/14 04:14	1
Vanadium	**21**		0.29	0.043	mg/Kg	☼	04/04/14 17:00	04/10/14 04:14	1
Zinc	**39**		1.2	0.23	mg/Kg	☼	04/04/14 17:00	04/10/14 04:14	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.10	ug/L		04/10/14 13:50	04/11/14 11:13	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.19**	**J**	0.20	0.10	ug/L		04/10/14 13:50	04/11/14 11:48	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**17**	**J**	19	7.3	ug/Kg	☼	04/04/14 13:35	04/07/14 12:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.64**		0.200	0.200	SU			04/07/14 14:25	1

Client Sample ID: MWR-1(0-6)-040214
Date Collected: 04/02/14 12:00
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74360-7
Matrix: Solid
Percent Solids: 84.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	8.8		5.9	2.6	ug/Kg	☼		04/04/14 18:52	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		04/04/14 18:52	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/04/14 18:52	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		04/04/14 18:52	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		04/04/14 18:52	1
Carbon disulfide	<5.9		5.9	0.89	ug/Kg	☼		04/04/14 18:52	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		04/04/14 18:52	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		04/04/14 18:52	1
Chloroethane	<5.9	*	5.9	1.6	ug/Kg	☼		04/04/14 18:52	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		04/04/14 18:52	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		04/04/14 18:52	1
cis-1,2-Dichloroethene	<5.9		5.9	0.84	ug/Kg	☼		04/04/14 18:52	1
cis-1,3-Dichloropropene	<5.9		5.9	0.78	ug/Kg	☼		04/04/14 18:52	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/04/14 18:52	1
1,1-Dichloroethane	<5.9		5.9	0.94	ug/Kg	☼		04/04/14 18:52	1
1,2-Dichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/04/14 18:52	1
1,1-Dichloroethene	<5.9		5.9	0.96	ug/Kg	☼		04/04/14 18:52	1
1,2-Dichloropropane	<5.9		5.9	0.90	ug/Kg	☼		04/04/14 18:52	1
1,3-Dichloropropene, Total	<5.9		5.9	0.78	ug/Kg	☼		04/04/14 18:52	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		04/04/14 18:52	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		04/04/14 18:52	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		04/04/14 18:52	1
Methyl Ethyl Ketone	<5.9		5.9	2.2	ug/Kg	☼		04/04/14 18:52	1
methyl isobutyl ketone	<5.9		5.9	1.6	ug/Kg	☼		04/04/14 18:52	1
Methyl tert-butyl ether	<5.9		5.9	0.98	ug/Kg	☼		04/04/14 18:52	1
Styrene	<5.9		5.9	0.78	ug/Kg	☼		04/04/14 18:52	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		04/04/14 18:52	1
Tetrachloroethene	<5.9		5.9	0.91	ug/Kg	☼		04/04/14 18:52	1
Toluene	<5.9		5.9	0.83	ug/Kg	☼		04/04/14 18:52	1
trans-1,2-Dichloroethene	<5.9		5.9	0.82	ug/Kg	☼		04/04/14 18:52	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		04/04/14 18:52	1
1,1,1-Trichloroethane	<5.9		5.9	0.89	ug/Kg	☼		04/04/14 18:52	1
1,1,2-Trichloroethane	<5.9		5.9	0.81	ug/Kg	☼		04/04/14 18:52	1
Trichloroethene	<5.9		5.9	0.98	ug/Kg	☼		04/04/14 18:52	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		04/04/14 18:52	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		04/04/14 18:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 122*		*04/04/14 18:52*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*04/04/14 18:52*	*1*
1,2-Dichloroethane-d4 (Surr)	*102*		*70 - 134*		*04/04/14 18:52*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*04/04/14 18:52*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74360-1

Client Sample ID: MWR-1(0-6)-040214
Date Collected: 04/02/14 12:00
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74360-7
Matrix: Solid
Percent Solids: 84.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
2-Methylnaphthalene	**19**	**J**	39	7.2	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
2-Methylphenol	<200		200	63	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
2-Nitroaniline	<200		200	52	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
4,6-Dinitro-2-methylphenol	<390		390	310	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Acenaphthene	**150**		39	7.0	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Acenaphthylene	<39		39	5.1	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Anthracene	**190**		39	6.5	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Benzo[a]anthracene	**72**		39	5.2	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Benzo[a]pyrene	**50**		39	7.5	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Benzo[b]fluoranthene	**72**		39	8.4	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Benzo[g,h,i]perylene	**34**	**J**	39	13	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Benzo[k]fluoranthene	**31**	**J**	39	11	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Carbazole	<200		200	100	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Chrysene	**130**		39	11	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Dibenz(a,h)anthracene	**26**	**J**	39	7.5	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Dibenzofuran	**95**	**J**	200	46	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Fluoranthene	**490**		39	7.2	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Fluorene	**24**	**J**	39	5.5	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Hexachlorobenzene	<79		79	9.0	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Hexachloroethane	<200		200	59	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74360-1

Client Sample ID: MWR-1(0-6)-040214
Date Collected: 04/02/14 12:00
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74360-7
Matrix: Solid
Percent Solids: 84.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	29	J	39	10	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Isophorone	<200		200	44	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Naphthalene	15	J	39	6.0	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Phenanthrene	570		39	5.4	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Phenol	<200		200	87	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1
Pyrene	350		39	7.7	ug/Kg	☼	04/04/14 07:20	04/08/14 11:49	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*76*		*35 - 137*	*04/04/14 07:20*	*04/08/14 11:49*	*1*
2-Fluorobiphenyl	*50*		*25 - 119*	*04/04/14 07:20*	*04/08/14 11:49*	*1*
2-Fluorophenol	*52*		*25 - 110*	*04/04/14 07:20*	*04/08/14 11:49*	*1*
Nitrobenzene-d5	*44*		*25 - 115*	*04/04/14 07:20*	*04/08/14 11:49*	*1*
Phenol-d5	*50*		*31 - 110*	*04/04/14 07:20*	*04/08/14 11:49*	*1*
Terphenyl-d14	*117*		*36 - 134*	*04/04/14 07:20*	*04/08/14 11:49*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/10/14 09:45	04/11/14 02:51	1
Barium	0.99	B	0.50	0.050	mg/L		04/10/14 09:45	04/11/14 02:51	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/10/14 09:45	04/11/14 02:51	1
Cadmium	0.0040	J	0.0050	0.0020	mg/L		04/10/14 09:45	04/11/14 02:51	1
Chromium	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/11/14 02:51	1
Cobalt	0.063		0.025	0.010	mg/L		04/10/14 09:45	04/11/14 02:51	1
Copper	0.020	J	0.025	0.010	mg/L		04/10/14 09:45	04/11/14 02:51	1
Iron	0.35		0.20	0.20	mg/L		04/10/14 09:45	04/11/14 02:51	1
Lead	0.031		0.0075	0.0075	mg/L		04/10/14 09:45	04/11/14 02:51	1
Manganese	13		0.025	0.010	mg/L		04/10/14 09:45	04/11/14 02:51	1
Nickel	0.056		0.025	0.010	mg/L		04/10/14 09:45	04/11/14 02:51	1
Selenium	<0.050		0.050	0.010	mg/L		04/10/14 09:45	04/11/14 02:51	1
Silver	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/11/14 02:51	1
Zinc	0.17	B	0.10	0.020	mg/L		04/10/14 09:45	04/11/14 02:51	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.058		0.050	0.010	mg/L		04/10/14 09:45	04/10/14 18:51	1
Barium	0.98		0.50	0.050	mg/L		04/10/14 09:45	04/10/14 18:51	1
Beryllium	0.0065		0.0040	0.0040	mg/L		04/10/14 09:45	04/10/14 18:51	1
Cadmium	0.0031	J	0.0050	0.0020	mg/L		04/10/14 09:45	04/10/14 18:51	1
Chromium	0.18		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 18:51	1
Cobalt	0.099		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 18:51	1
Copper	0.21		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 18:51	1
Iron	180		0.20	0.20	mg/L		04/10/14 09:45	04/10/14 18:51	1
Lead	0.22		0.0075	0.0075	mg/L		04/10/14 09:45	04/10/14 18:51	1
Manganese	2.6		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 18:51	1
Nickel	0.23		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 18:51	1
Selenium	0.013	J	0.050	0.010	mg/L		04/10/14 09:45	04/10/14 18:51	1

Client Sample ID: MWR-1(0-6)-040214
Date Collected: 04/02/14 12:00
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74360-7
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 18:51	1
Zinc	**0.50**		0.10	0.020	mg/L		04/10/14 09:45	04/10/14 18:51	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.45	mg/Kg	☼	04/04/14 17:00	04/10/14 04:33	1
Arsenic	**4.6**		0.56	0.11	mg/Kg	☼	04/04/14 17:00	04/10/14 04:33	1
Barium	**37**		0.56	0.060	mg/Kg	☼	04/04/14 17:00	04/10/14 04:33	1
Beryllium	**0.53**		0.22	0.044	mg/Kg	☼	04/04/14 17:00	04/10/14 04:33	1
Cadmium	**0.63**		0.11	0.014	mg/Kg	☼	04/04/14 17:00	04/10/14 04:33	1
Calcium	**53000**	**B**	11	3.0	mg/Kg	☼	04/04/14 17:00	04/10/14 04:33	1
Chromium	**18**		0.56	0.065	mg/Kg	☼	04/04/14 17:00	04/10/14 04:33	1
Cobalt	**8.7**		0.28	0.056	mg/Kg	☼	04/04/14 17:00	04/10/14 04:33	1
Copper	**18**		0.56	0.11	mg/Kg	☼	04/04/14 17:00	04/10/14 04:33	1
Iron	**18000**		11	4.6	mg/Kg	☼	04/04/14 17:00	04/10/14 04:33	1
Lead	**8.3**	**B**	0.28	0.083	mg/Kg	☼	04/04/14 17:00	04/10/14 04:33	1
Magnesium	**24000**	**B**	5.6	1.1	mg/Kg	☼	04/04/14 17:00	04/10/14 04:33	1
Manganese	**370**		0.56	0.11	mg/Kg	☼	04/04/14 17:00	04/10/14 04:33	1
Nickel	**24**		0.56	0.11	mg/Kg	☼	04/04/14 17:00	04/10/14 04:33	1
Potassium	**3100**	**B**	28	1.7	mg/Kg	☼	04/04/14 17:00	04/10/14 04:33	1
Selenium	<0.57		0.57	0.20	mg/Kg	☼	04/10/14 16:00	04/11/14 19:17	1
Silver	**0.030**	**J**	0.28	0.020	mg/Kg	☼	04/04/14 17:00	04/10/14 04:33	1
Sodium	**2500**		56	7.5	mg/Kg	☼	04/04/14 17:00	04/10/14 04:33	1
Thallium	**0.28**	**J**	0.56	0.23	mg/Kg	☼	04/04/14 17:00	04/10/14 04:33	1
Vanadium	**19**		0.28	0.041	mg/Kg	☼	04/04/14 17:00	04/10/14 04:33	1
Zinc	**37**		1.1	0.22	mg/Kg	☼	04/04/14 17:00	04/10/14 04:33	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.10	ug/L		04/10/14 13:50	04/11/14 11:22	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.33**		0.20	0.10	ug/L		04/10/14 13:50	04/11/14 11:54	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**24**		20	7.7	ug/Kg	☼	04/04/14 13:35	04/07/14 12:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.90**		0.200	0.200	SU			04/07/14 14:35	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F3	Duplicate RPD exceeds the control limit
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74360-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
8260B	5030B	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTA

2417 Bond Street, University Park, IL 6
Phone: 708.534.5200 Fax: 708.53

500-74360 COC

(optional)

Report To
Contact: S. BabuSuKumar
Company: Weston Solutions Inc.
Address: 750 E Bunker Ct. Ste. 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax: 847-918-4055
E-Mail:

(optional)

Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74360

Chain of Custody Number:

Page 1 of 1

Temperature °C of Cooler: 3.5

Client: Weston Solutions Inc.
Client Project #:
Project Name: IDOT 050 - IL 171 from 47th St to 55th St.
Project Location/State: McCook/Summit IL
Lab Project #:
Sampler: M. Doherty-Skubic
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	VOCs	SVOCs	TOTAL METALS	TCLP/SPLP METALS	pH					Comments
							Parameter										
1		MWR-3(0-4)-040214	4-2-14	1035	2	S		X	X	X	X	X					
2		MWR-3(0-4)-040214D	4-2-14	1035	2	S		X	X	X	X	X					
3		MWR-3(4-8)-040214	4-2-14	1045	2	S		X	X	X	X	X					
4		MWR-4(0-6)-040214	4-2-14	1100	2	S		X	X	X	X	X					
5		MWR-2(0-4)-040214	4-2-14	1130	2	S		X	X	X	X	X					
6		MWR-2(4-8)-040214	4-2-14	1135	2	S		X	X	X	X	X					
7		MWR-1(0-6)-040214	4-2-14	1200	2	S		X	X	X	X	X					
8		171-2(0-6)-040214	4-2-14	1215	2	S		X	X	X	X	X					
9		IC-7(0-5)-040214	4-2-14	1325	2	S		X	X	X	X	X					
10		IC-7(5-9.5)-040214	4-2-14	1315	2	S		X	X	X	X	X					

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date _____

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[illegible]	Weston	4-2-14	1529	[illegible]	TA	4/2/14	1529
[illegible]	TA	4/2/14	1625	[illegible]	TA-CAL	4/3/14	0630

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

Illinois Environmental Protection Agency

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663 Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAP 372: IL 171 (1st Ave) from 47th St to 55th St Office Phone Number, if available: _____

Physical Site Location (address, incldluding number and street):
IL 171 ROW between South Archer Ave to West 57th Street

City: Summit State: IL Zip Code: _____

County: Cook Township: _____

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.791000829 (Decimal Degrees) Longitude: -87.810086528 (-Decimal Degrees)

Identify how the lat/long data were determined:

☒ GPS ☐ Map Interpolation ☐ Photo Interpolation ☐ Survey ☐ Other

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner		Site Operator	
Name:	Illinois Department of Transportation	Name:	Illinois Department of Transportation
Street Address:	201 West Center Court	Street Address:	201 West Center Court
PO Box:		PO Box:	
City:	Schaumburg State: IL	City:	Schaumburg State: IL
Zip Code:	60196-1096 Phone: 847-705-4101	Zip Code:	60196-1096 Phone: 847-705-4101
Contact:	Sam Mead	Contact:	Sam Mead
Email, if available:	Sam.Mead@illinois.gov	Email, if available:	Sam.Mead@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAP 372: IL 171 (1st Ave) from 47th St to 55th St

Latitude: 41.791000829 Longitude: -87.810086528

Uncontaminated Site Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

LOCATIONS 171-2, 171-3, AND 171-4 WERE SAMPLED ADJACENT TO ISGS SITE No. 1860-32. SEE FIGURES 3-1 AND 3-2AND TABLE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201(g), 1100.205(a), 1100.610]:

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-74263-1
TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-74264-1
TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-74360-1

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Steven Gobelman, P.E., L.P.G (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman, P.E., L.P.G
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

6/12/14
Date:

P.E. or L.P.G. Seal:

Summary Table of ISGS Site No. 1860-32
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	171-2(0-6)-040214	171-3(0-6)-040114	171-4(0-4.3)-040114	**Soil Reference Concentrations[A]**
Sample Date	4/2/2014	4/1/2014	4/1/2014	
Location ID	171-2	171-3	171-4	
ISGS Site No.	1860-32	1860-32	1860-32	
Depth	0 - 6	0 - 6	0 - 4.3	
Lab Sample ID	500-74360-8	500-74263-18	500-74264-8	
Parameter				
Laboratory pH (s.u.)	7.99	7.82	8.02	<6.25,>9.0
VOCs (ug/kg)				
Acetone	10	11	ND	25000
SVOCs (ug/kg)				
2-Methylnaphthalene	16 J	ND	11 J	---
Acenaphthene	ND	ND	14 J	570000
Acenaphthylene	ND	ND	10 J	85000
Anthracene	ND	ND	54	1.20E+07
Benzo(a)anthracene	12 J	ND	250	900 / 1100 / 1800
Benzo(a)pyrene	34 J	ND	210	90 / 1300 / 2100
Benzo(b)fluoranthene	31 J	9.2 J	310	900 / 1500 / 2100
Benzo(g,h,i)perylene	23 J	ND	180	2300000
Benzo(k)fluoranthene	17 J	ND	140	9000
bis(2-Ethylhexyl)phthalate	ND	140 J	ND	46000
Chrysene	21 J	ND	290	88000
Dibenzo(a,h)anthracene	ND	ND	54	90 / 200 / 420
Fluoranthene	26 J	11 J	460	3100000
Fluorene	ND	ND	14 J	560000
Indeno(1,2,3-cd)pyrene	22 J	ND	120	900 / 900 / 1600
Naphthalene, SVOC	8 J	ND	9.1 J	1800
Phenanthrene	24 J	ND	260	210000
Pyrene	28 J	9.8 J	650	2300000
Total Metals (mg/kg)				
Antimony, Total	ND	0.51 J	0.49 J	5
Arsenic, Total	9.9	13	9.5 J	11.3 / 13
Barium, Total	46	52	180 J	1500
Beryllium, Total	0.58	0.69	0.55	22
Cadmium, Total	0.75	0.78	0.88 J	5.2
Calcium, Total	40000 J-	4600 J+	35000 J	---
Chromium, Total	18	20 J+	14 J	21
Cobalt, Total	10 J-	11	9.4 J	20
Copper, Total	27	22 J-	34 J	2900
Iron, Total	20000 J	30000 J+	17000 J+	15000 / 15900
Lead, Total	12 J	15 J	43 J	107
Magnesium, Total	21000 J	6200 J+	20000 J	325000
Manganese, Total	310 J-	160 J	300 J	630 / 636
Mercury, Total	0.019	0.041 J	0.093	0.89
Nickel, Total	27 J-	29 ^	22 J	100
Potassium, Total	3200 J	2700 J+	2700 J	---
Selenium, Total	ND	0.67 J-	ND	1.3
Silver, Total	0.03 J	ND	0.079 J	4.4
Sodium, Total	2100 J+	720 J+	680 J	---
Thallium, Total	ND	0.66	0.88	2.6
Vanadium, Total	22	25	19	550
Zinc, Total	45	61	63 J	5100
TCLP Metals (mg/l)				
Barium, TCLP	0.5	0.4 J	0.45 J	2
Cadmium, TCLP	0.0021 J	ND	0.0038 J	0.005
Cobalt, TCLP	0.022 J	0.012 J	ND	1
Copper, TCLP	ND	0.013 J	ND	0.65
Lead, TCLP	0.0079	ND	ND	0.0075
Manganese, TCLP	4.2	4	0.62	0.15
Nickel, TCLP	0.024 J	0.012 J	0.013 J	0.1
Zinc, TCLP	ND	ND	0.14	5
SPLP Metals (mg/l)				
Barium, SPLP	0.07 J	0.18 J	0.14 J	2
Iron, SPLP	1.7	0.22 J	0.49	5
Manganese, SPLP	0.065	0.06	ND	0.15
Zinc, SPLP	0.042 J	0.14	ND	5

Summary Table of ISGS Site No. 1860-32
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: IIllinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

na - constituent not analyzed

ND - Constituent not detected above the reporting limit.

^ - Laboratory Control Spike (LCS) or LCS duplicate exceeded the control limits.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

Shaded values indicate concentration **exceeds** Reference Concentration.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-74263-1
Client Project/Site: IDOT - Lyons, McCook, Summit - 050

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar

Authorized for release by:
4/11/2014 10:44:47 AM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: 171-3(0-6)-040114
Date Collected: 04/01/14 13:30
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-18
Matrix: Solid
Percent Solids: 87.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	11		5.7	2.5	ug/Kg	☼		04/02/14 19:20	1
Benzene	<5.7		5.7	0.79	ug/Kg	☼		04/02/14 19:20	1
Bromodichloromethane	<5.7		5.7	0.99	ug/Kg	☼		04/02/14 19:20	1
Bromoform	<5.7		5.7	1.3	ug/Kg	☼		04/02/14 19:20	1
Bromomethane	<5.7		5.7	1.7	ug/Kg	☼		04/02/14 19:20	1
Carbon disulfide	<5.7		5.7	0.86	ug/Kg	☼		04/02/14 19:20	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	☼		04/02/14 19:20	1
Chlorobenzene	<5.7		5.7	0.58	ug/Kg	☼		04/02/14 19:20	1
Chloroethane	<5.7	*	5.7	1.6	ug/Kg	☼		04/02/14 19:20	1
Chloroform	<5.7		5.7	0.66	ug/Kg	☼		04/02/14 19:20	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	☼		04/02/14 19:20	1
cis-1,2-Dichloroethene	<5.7		5.7	0.81	ug/Kg	☼		04/02/14 19:20	1
cis-1,3-Dichloropropene	<5.7		5.7	0.75	ug/Kg	☼		04/02/14 19:20	1
Dibromochloromethane	<5.7		5.7	1.0	ug/Kg	☼		04/02/14 19:20	1
1,1-Dichloroethane	<5.7		5.7	0.91	ug/Kg	☼		04/02/14 19:20	1
1,2-Dichloroethane	<5.7		5.7	0.85	ug/Kg	☼		04/02/14 19:20	1
1,1-Dichloroethene	<5.7		5.7	0.93	ug/Kg	☼		04/02/14 19:20	1
1,2-Dichloropropane	<5.7		5.7	0.87	ug/Kg	☼		04/02/14 19:20	1
1,3-Dichloropropene, Total	<5.7		5.7	0.75	ug/Kg	☼		04/02/14 19:20	1
Ethylbenzene	<5.7		5.7	1.2	ug/Kg	☼		04/02/14 19:20	1
2-Hexanone	<5.7		5.7	1.7	ug/Kg	☼		04/02/14 19:20	1
Methylene Chloride	<5.7		5.7	1.5	ug/Kg	☼		04/02/14 19:20	1
Methyl Ethyl Ketone	<5.7		5.7	2.1	ug/Kg	☼		04/02/14 19:20	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	☼		04/02/14 19:20	1
Methyl tert-butyl ether	<5.7		5.7	0.95	ug/Kg	☼		04/02/14 19:20	1
Styrene	<5.7		5.7	0.75	ug/Kg	☼		04/02/14 19:20	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	1.2	ug/Kg	☼		04/02/14 19:20	1
Tetrachloroethene	<5.7		5.7	0.88	ug/Kg	☼		04/02/14 19:20	1
Toluene	<5.7		5.7	0.80	ug/Kg	☼		04/02/14 19:20	1
trans-1,2-Dichloroethene	<5.7		5.7	0.79	ug/Kg	☼		04/02/14 19:20	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	☼		04/02/14 19:20	1
1,1,1-Trichloroethane	<5.7		5.7	0.86	ug/Kg	☼		04/02/14 19:20	1
1,1,2-Trichloroethane	<5.7		5.7	0.78	ug/Kg	☼		04/02/14 19:20	1
Trichloroethene	<5.7		5.7	0.95	ug/Kg	☼		04/02/14 19:20	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	☼		04/02/14 19:20	1
Xylenes, Total	<11		11	0.52	ug/Kg	☼		04/02/14 19:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*87*		*70 - 122*		*04/02/14 19:20*	*1*
Dibromofluoromethane	*110*		*75 - 120*		*04/02/14 19:20*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 134*		*04/02/14 19:20*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*04/02/14 19:20*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
1,2-Dichlorobenzene	<190		190	45	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: 171-3(0-6)-040114
Date Collected: 04/01/14 13:30
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-18
Matrix: Solid
Percent Solids: 87.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
2,4-Dinitrophenol	<750		750	660	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
2-Chlorophenol	<190		190	64	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
2-Methylnaphthalene	<37		37	6.9	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
2-Methylphenol	<190		190	60	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
4-Chlorophenyl phenyl ether	<190		190	44	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Acenaphthene	<37		37	6.7	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Anthracene	<37		37	6.2	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Benzo[a]anthracene	<37		37	5.0	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Benzo[a]pyrene	<37		37	7.2	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Benzo[b]fluoranthene	**9.2**	**J**	37	8.0	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Benzo[g,h,i]perylene	<37		37	12	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Benzo[k]fluoranthene	<37		37	11	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Bis(2-ethylhexyl) phthalate	**140**	**J**	190	68	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Carbazole	<190		190	96	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Chrysene	<37		37	10	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Dibenz(a,h)anthracene	<37		37	7.2	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Dibenzofuran	<190		190	44	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Fluoranthene	**11**	**J**	37	6.9	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Fluorene	<37		37	5.2	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Hexachlorobutadiene	<190		190	59	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Hexachloroethane	<190		190	57	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1

Client Sample ID: 171-3(0-6)-040114
Date Collected: 04/01/14 13:30
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-18
Matrix: Solid
Percent Solids: 87.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<37		37	9.7	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Isophorone	<190		190	42	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Naphthalene	<37		37	5.7	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
N-Nitrosodi-n-propylamine	<190		190	46	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Phenanthrene	<37		37	5.2	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Phenol	<190		190	83	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1
Pyrene	**9.8**	**J**	37	7.4	ug/Kg	☼	04/03/14 07:22	04/07/14 20:30	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*68*		*35 - 137*	*04/03/14 07:22*	*04/07/14 20:30*	*1*
2-Fluorobiphenyl	*51*		*25 - 119*	*04/03/14 07:22*	*04/07/14 20:30*	*1*
2-Fluorophenol	*55*		*25 - 110*	*04/03/14 07:22*	*04/07/14 20:30*	*1*
Nitrobenzene-d5	*52*		*25 - 115*	*04/03/14 07:22*	*04/07/14 20:30*	*1*
Phenol-d5	*59*		*31 - 110*	*04/03/14 07:22*	*04/07/14 20:30*	*1*
Terphenyl-d14	*60*		*36 - 134*	*04/03/14 07:22*	*04/07/14 20:30*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 19:14	1
Barium	**0.40**	**J**	0.50	0.050	mg/L		04/04/14 10:15	04/04/14 19:14	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/14 10:15	04/04/14 19:14	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/14 10:15	04/04/14 19:14	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 19:14	1
Cobalt	**0.012**	**J**	0.025	0.010	mg/L		04/04/14 10:15	04/04/14 19:14	1
Copper	**0.013**	**J**	0.025	0.010	mg/L		04/04/14 10:15	04/04/14 19:14	1
Iron	<0.20		0.20	0.20	mg/L		04/04/14 10:15	04/04/14 19:14	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/04/14 10:15	04/04/14 19:14	1
Manganese	**4.0**		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 19:14	1
Nickel	**0.012**	**J**	0.025	0.010	mg/L		04/04/14 10:15	04/04/14 19:14	1
Selenium	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 19:14	1
Silver	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 19:14	1
Zinc	**0.14**		0.10	0.020	mg/L		04/04/14 10:15	04/04/14 19:14	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/08/14 13:45	1
Barium	**0.18**	**J**	0.50	0.050	mg/L		04/07/14 09:00	04/08/14 01:17	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:00	04/08/14 13:45	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:00	04/08/14 01:17	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 13:45	1
Cobalt	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 13:45	1
Copper	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 13:45	1
Iron	**0.22**		0.20	0.20	mg/L		04/07/14 09:00	04/08/14 13:45	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/07/14 09:00	04/08/14 13:45	1
Manganese	**0.060**		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 13:45	1
Nickel	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 13:45	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/08/14 01:17	1

Client Sample ID: 171-3(0-6)-040114
Date Collected: 04/01/14 13:30
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-18
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/08/14 13:45	1
Zinc	**0.14**		0.10	0.020	mg/L		04/07/14 09:00	04/08/14 13:45	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.51**	**J**	1.1	0.46	mg/Kg	☼	04/02/14 15:30	04/04/14 03:15	1
Arsenic	**13**		0.57	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 03:15	1
Barium	**52**		0.57	0.061	mg/Kg	☼	04/02/14 15:30	04/04/14 03:15	1
Beryllium	**0.69**		0.23	0.046	mg/Kg	☼	04/02/14 15:30	04/04/14 03:15	1
Cadmium	**0.78**		0.11	0.014	mg/Kg	☼	04/02/14 15:30	04/04/14 03:15	1
Calcium	**4600**	**B**	11	3.1	mg/Kg	☼	04/02/14 15:30	04/04/14 03:15	1
Chromium	**20**		0.57	0.066	mg/Kg	☼	04/02/14 15:30	04/04/14 03:15	1
Cobalt	**11**		0.28	0.057	mg/Kg	☼	04/02/14 15:30	04/04/14 03:15	1
Copper	**22**		0.57	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 03:15	1
Iron	**30000**		11	4.7	mg/Kg	☼	04/02/14 15:30	04/04/14 03:15	1
Lead	**15**	**B**	0.28	0.085	mg/Kg	☼	04/02/14 15:30	04/04/14 03:15	1
Magnesium	**6200**	**B**	5.7	1.2	mg/Kg	☼	04/02/14 15:30	04/04/14 03:15	1
Manganese	**160**		0.57	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 03:15	1
Nickel	**29**	**^**	0.57	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 03:15	1
Potassium	**2700**		28	1.7	mg/Kg	☼	04/02/14 15:30	04/04/14 03:15	1
Selenium	**0.67**		0.57	0.20	mg/Kg	☼	04/02/14 15:30	04/04/14 03:15	1
Silver	<0.28		0.28	0.021	mg/Kg	☼	04/02/14 15:30	04/04/14 03:15	1
Sodium	**720**		57	7.6	mg/Kg	☼	04/02/14 15:30	04/04/14 03:15	1
Thallium	**0.66**		0.57	0.24	mg/Kg	☼	04/02/14 15:30	04/04/14 03:15	1
Vanadium	**25**		0.28	0.042	mg/Kg	☼	04/02/14 15:30	04/04/14 03:15	1
Zinc	**61**		1.1	0.23	mg/Kg	☼	04/02/14 15:30	04/04/14 03:15	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.042**	**J B**	0.20	0.020	ug/L		04/04/14 15:00	04/07/14 14:16	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 11:00	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**41**		19	7.3	ug/Kg	☼	04/02/14 14:30	04/03/14 09:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.82**		0.200	0.200	SU			04/06/14 13:49	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15 *

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

* Expired certification is currently pending renewal and is considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTA.

2417 Bond Street, University Park, IL 6(
Phone: 708.534.5200 Fax: 708.53

500-74263 COC

Chain of Custody Record

Lab Job #: 500-74263

Chain of Custody Number:

Page 1 of 3

Temperature °C of Cooler: (3.4) (3.7)

(optional)

Report To
Contact: S. Balasubramanian
Company: Weston Solutions Inc.
Address: 750 E Bunker Ct. Ste. 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax: 847-918-4055
E-Mail:

(optional)

Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Client: Weston Solutions Inc.
Client Project #:
Project Name: IDOT 050-IL 171 from 47th Street to 55th St
Project Location/State: McCook/Summit IL
Lab Project #:
Sampler: M. Doheny-Slabic
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	TOTAL METALS	TCLP/SPLP METALS	pH	TOTAL ALUMINUM				Comments
1		ID-3(0-5)-040114	4-1-14	0850	2	S		X	X	X	X	X					
2		ID-3(0-5)-040114D		0850	2	S		X	X	X	X	X					
3		ID-3(5-9)-040114		0900	2	S		X	X	X	X	X					
4		ID-5(0-5)-040114		0920	2	S		X	X	X	X	X					
		ID-5(5-9)-040114			2	S		X	X	X	X	X					MDS
5		IP-1(0-2)-040114		0935	2	S		X	X	X	X	X	X				
6		IP-2(0-4)-040114		0945	2	S		X	X	X	X	X	X				
7		IP-5(0-2)-040114		1000	2	S		X	X	X	X	X	X				
8		ID-3(0-4)-040114		1020	2	S		X	X	X	X	X	X				
9		IP-3(0-4)-040114D	4-1-14	1020	2	S		X	X	X	X	X	X				

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston	4-1-14	1546	[signature]	TA	4/1/14	1545
[signature]	TA	4/1/14	1640	[signature]	TA	4/2/14	0700

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)
Report To
Contact: S. Babusukumar
Company: Weston Solutions Inc.
Address: 750 E Bunker Ct. Ste-500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax: 847-918-4035
E-Mail:

(optional)
Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74263
Chain of Custody Number:
Page 2 of 3
Temperature °C of Cooler:

Client: Weston Solutions Inc.
Client Project #:
Project Name: IDOT 050 - IL 171
Project Location/State: McCook/Summit, IL
Lab Project #:
Sampler: M. Doheny-Skiba
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Parameter: VOCs	SVOCs	TOTAL METALS	TCLP/SPLP METALS	pH	TOTAL Aluminum				Comments
10		IP-4(0-2)-040114	4-1-14	1030	2	S	X	X	X	X	X	X				
11		IP-8(0-2)-040114	4-1-14	1045	2	S	X	X	X	X	X	X				
12		IP-10(0-2)-040114		1105	2	S	X	X	X	X	X	X				
13		EL-1(0-2)-040114		1145	2	S	X	X	X	X	X					
14		EL-7(0-5)-040114		1205	2	S	X	X	X	X	X					
15		EL-7(0-5)-040114D		1205	2	S	X	X	X	X	X					
16		IC-5(0-4)-040114		1205	2	S	X	X	X	X	X					
17		IC5(4-8)-040114		1310	2	S	X	X	X	X	X					
18		IT1-3(0-6)-040114		1330	2	S	X	X	X	X	X					
19		IT1-1(0-3.2)-040114	4-1-14	1345	2	S	X	X	X	X	X					

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston	4-1-14	1546	[signature]	TA	4/1/14	1546
[signature]	TA	4/1/14	1648	[signature]	TA	4/2/14	0700

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TAL-4124-509 (0209)

4/11/2014

TestAmerica

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ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-74360-1
Client Project/Site: IDOT - Lyons, McCook, Summit - 050

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar

Authorized for release by:
4/14/2014 11:15:28 AM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client Sample ID: 171-2(0-6)-040214
Date Collected: 04/02/14 12:15
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74360-8
Matrix: Solid
Percent Solids: 88.0

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	10		5.7	2.5	ug/Kg	☼		04/04/14 19:16	1
Benzene	<5.7		5.7	0.78	ug/Kg	☼		04/04/14 19:16	1
Bromodichloromethane	<5.7		5.7	0.98	ug/Kg	☼		04/04/14 19:16	1
Bromoform	<5.7		5.7	1.3	ug/Kg	☼		04/04/14 19:16	1
Bromomethane	<5.7		5.7	1.7	ug/Kg	☼		04/04/14 19:16	1
Carbon disulfide	<5.7		5.7	0.85	ug/Kg	☼		04/04/14 19:16	1
Carbon tetrachloride	<5.7		5.7	1.0	ug/Kg	☼		04/04/14 19:16	1
Chlorobenzene	<5.7		5.7	0.58	ug/Kg	☼		04/04/14 19:16	1
Chloroethane	<5.7	*	5.7	1.5	ug/Kg	☼		04/04/14 19:16	1
Chloroform	<5.7		5.7	0.65	ug/Kg	☼		04/04/14 19:16	1
Chloromethane	<5.7		5.7	1.2	ug/Kg	☼		04/04/14 19:16	1
cis-1,2-Dichloroethene	<5.7		5.7	0.80	ug/Kg	☼		04/04/14 19:16	1
cis-1,3-Dichloropropene	<5.7		5.7	0.75	ug/Kg	☼		04/04/14 19:16	1
Dibromochloromethane	<5.7		5.7	0.99	ug/Kg	☼		04/04/14 19:16	1
1,1-Dichloroethane	<5.7		5.7	0.90	ug/Kg	☼		04/04/14 19:16	1
1,2-Dichloroethane	<5.7		5.7	0.84	ug/Kg	☼		04/04/14 19:16	1
1,1-Dichloroethene	<5.7		5.7	0.92	ug/Kg	☼		04/04/14 19:16	1
1,2-Dichloropropane	<5.7		5.7	0.86	ug/Kg	☼		04/04/14 19:16	1
1,3-Dichloropropene, Total	<5.7		5.7	0.75	ug/Kg	☼		04/04/14 19:16	1
Ethylbenzene	<5.7		5.7	1.1	ug/Kg	☼		04/04/14 19:16	1
2-Hexanone	<5.7		5.7	1.6	ug/Kg	☼		04/04/14 19:16	1
Methylene Chloride	<5.7		5.7	1.5	ug/Kg	☼		04/04/14 19:16	1
Methyl Ethyl Ketone	<5.7		5.7	2.1	ug/Kg	☼		04/04/14 19:16	1
methyl isobutyl ketone	<5.7		5.7	1.5	ug/Kg	☼		04/04/14 19:16	1
Methyl tert-butyl ether	<5.7		5.7	0.94	ug/Kg	☼		04/04/14 19:16	1
Styrene	<5.7		5.7	0.75	ug/Kg	☼		04/04/14 19:16	1
1,1,2,2-Tetrachloroethane	<5.7		5.7	1.1	ug/Kg	☼		04/04/14 19:16	1
Tetrachloroethene	<5.7		5.7	0.87	ug/Kg	☼		04/04/14 19:16	1
Toluene	<5.7		5.7	0.80	ug/Kg	☼		04/04/14 19:16	1
trans-1,2-Dichloroethene	<5.7		5.7	0.78	ug/Kg	☼		04/04/14 19:16	1
trans-1,3-Dichloropropene	<5.7		5.7	1.0	ug/Kg	☼		04/04/14 19:16	1
1,1,1-Trichloroethane	<5.7		5.7	0.85	ug/Kg	☼		04/04/14 19:16	1
1,1,2-Trichloroethane	<5.7		5.7	0.78	ug/Kg	☼		04/04/14 19:16	1
Trichloroethene	<5.7		5.7	0.94	ug/Kg	☼		04/04/14 19:16	1
Vinyl chloride	<5.7		5.7	1.2	ug/Kg	☼		04/04/14 19:16	1
Xylenes, Total	<11		11	0.51	ug/Kg	☼		04/04/14 19:16	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*85*		*70 - 122*		*04/04/14 19:16*	*1*
Dibromofluoromethane	*110*		*75 - 120*		*04/04/14 19:16*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 134*		*04/04/14 19:16*	*1*
Toluene-d8 (Surr)	*102*		*75 - 122*		*04/04/14 19:16*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	38	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
1,2-Dichlorobenzene	<180		180	42	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
1,4-Dichlorobenzene	<180		180	45	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
2,2'-oxybis[1-chloropropane]	<180		180	41	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74360-1

Client Sample ID: 171-2(0-6)-040214
Date Collected: 04/02/14 12:15
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74360-8
Matrix: Solid
Percent Solids: 88.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<350		350	81	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
2,4,6-Trichlorophenol	<350		350	120	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
2,4-Dichlorophenol	<350		350	84	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
2,4-Dimethylphenol	<350		350	130	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
2,4-Dinitrophenol	<710		710	620	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
2,4-Dinitrotoluene	<180		180	56	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
2,6-Dinitrotoluene	<180		180	70	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
2-Chloronaphthalene	<180		180	39	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
2-Methylnaphthalene	**16**	**J**	35	6.5	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
2-Methylphenol	<180		180	57	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
2-Nitrophenol	<350		350	84	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
3 & 4 Methylphenol	<180		180	59	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
3-Nitroaniline	<350		350	110	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
4,6-Dinitro-2-methylphenol	<350		350	280	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
4-Chloro-3-methylphenol	<350		350	120	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
4-Chloroaniline	<710		710	170	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
4-Chlorophenyl phenyl ether	<180		180	41	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
4-Nitroaniline	<350		350	150	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
4-Nitrophenol	<710		710	340	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Acenaphthene	<35		35	6.4	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Acenaphthylene	<35		35	4.7	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Anthracene	<35		35	5.9	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Benzo[a]anthracene	**12**	**J**	35	4.8	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Benzo[a]pyrene	**34**	**J**	35	6.9	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Benzo[b]fluoranthene	**31**	**J**	35	7.7	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Benzo[g,h,i]perylene	**23**	**J**	35	11	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Benzo[k]fluoranthene	**17**	**J**	35	10	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Bis(2-chloroethoxy)methane	<180		180	36	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Bis(2-chloroethyl)ether	<180		180	53	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Bis(2-ethylhexyl) phthalate	<180		180	65	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Butyl benzyl phthalate	<180		180	67	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Carbazole	<180		180	92	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Chrysene	**21**	**J**	35	9.7	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Dibenz(a,h)anthracene	<35		35	6.9	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Dibenzofuran	<180		180	42	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Diethyl phthalate	<180		180	60	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Dimethyl phthalate	<180		180	46	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Di-n-butyl phthalate	<180		180	54	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Di-n-octyl phthalate	<180		180	58	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Fluoranthene	**26**	**J**	35	6.6	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Fluorene	<35		35	5.0	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Hexachlorobenzene	<71		71	8.2	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Hexachlorocyclopentadiene	<710		710	200	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Hexachloroethane	<180		180	54	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1

Client Sample ID: 171-2(0-6)-040214
Date Collected: 04/02/14 12:15
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74360-8
Matrix: Solid
Percent Solids: 88.0

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	22	J	35	9.2	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Isophorone	<180		180	40	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Naphthalene	8.0	J	35	5.5	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Nitrobenzene	<35		35	8.8	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
N-Nitrosodi-n-propylamine	<180		180	43	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Pentachlorophenol	<710		710	570	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Phenanthrene	24	J	35	4.9	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Phenol	<180		180	79	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1
Pyrene	28	J	35	7.0	ug/Kg	☼	04/04/14 07:20	04/08/14 12:09	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*94*		*35 - 137*	*04/04/14 07:20*	*04/08/14 12:09*	*1*
2-Fluorobiphenyl	*62*		*25 - 119*	*04/04/14 07:20*	*04/08/14 12:09*	*1*
2-Fluorophenol	*66*		*25 - 110*	*04/04/14 07:20*	*04/08/14 12:09*	*1*
Nitrobenzene-d5	*54*		*25 - 115*	*04/04/14 07:20*	*04/08/14 12:09*	*1*
Phenol-d5	*60*		*31 - 110*	*04/04/14 07:20*	*04/08/14 12:09*	*1*
Terphenyl-d14	*103*		*36 - 134*	*04/04/14 07:20*	*04/08/14 12:09*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/10/14 09:45	04/11/14 02:57	1
Barium	0.50		0.50	0.050	mg/L		04/10/14 09:45	04/11/14 02:57	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/10/14 09:45	04/11/14 02:57	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		04/10/14 09:45	04/11/14 02:57	1
Chromium	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/11/14 02:57	1
Cobalt	0.022	J	0.025	0.010	mg/L		04/10/14 09:45	04/11/14 02:57	1
Copper	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/11/14 02:57	1
Iron	<0.20		0.20	0.20	mg/L		04/10/14 09:45	04/11/14 02:57	1
Lead	0.0079		0.0075	0.0075	mg/L		04/10/14 09:45	04/11/14 02:57	1
Manganese	4.2		0.025	0.010	mg/L		04/10/14 09:45	04/11/14 02:57	1
Nickel	0.024	J	0.025	0.010	mg/L		04/10/14 09:45	04/11/14 02:57	1
Selenium	<0.050		0.050	0.010	mg/L		04/10/14 09:45	04/11/14 02:57	1
Silver	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/11/14 02:57	1
Zinc	0.11		0.10	0.020	mg/L		04/10/14 09:45	04/11/14 02:57	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/10/14 09:45	04/10/14 18:56	1
Barium	0.070	J	0.50	0.050	mg/L		04/10/14 09:45	04/10/14 18:56	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/10/14 09:45	04/10/14 18:56	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/10/14 09:45	04/10/14 18:56	1
Chromium	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 18:56	1
Cobalt	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 18:56	1
Copper	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 18:56	1
Iron	1.7		0.20	0.20	mg/L		04/10/14 09:45	04/10/14 18:56	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/10/14 09:45	04/10/14 18:56	1
Manganese	0.065		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 18:56	1
Nickel	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 18:56	1
Selenium	<0.050		0.050	0.010	mg/L		04/10/14 09:45	04/10/14 18:56	1

Client Sample ID: 171-2(0-6)-040214
Date Collected: 04/02/14 12:15
Date Received: 04/03/14 06:30

Lab Sample ID: 500-74360-8
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/10/14 09:45	04/10/14 18:56	1
Zinc	**0.042**	**J**	0.10	0.020	mg/L		04/10/14 09:45	04/10/14 18:56	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.44	mg/Kg	☼	04/04/14 17:00	04/10/14 04:46	1
Arsenic	**9.9**		0.55	0.11	mg/Kg	☼	04/04/14 17:00	04/10/14 04:46	1
Barium	**46**		0.55	0.059	mg/Kg	☼	04/04/14 17:00	04/10/14 04:46	1
Beryllium	**0.58**		0.22	0.044	mg/Kg	☼	04/04/14 17:00	04/10/14 04:46	1
Cadmium	**0.75**		0.11	0.014	mg/Kg	☼	04/04/14 17:00	04/10/14 04:46	1
Calcium	**40000**	**B**	11	3.0	mg/Kg	☼	04/04/14 17:00	04/10/14 04:46	1
Chromium	**18**		0.55	0.064	mg/Kg	☼	04/04/14 17:00	04/10/14 04:46	1
Cobalt	**10**		0.27	0.055	mg/Kg	☼	04/04/14 17:00	04/10/14 04:46	1
Copper	**27**		0.55	0.11	mg/Kg	☼	04/04/14 17:00	04/10/14 04:46	1
Iron	**20000**		11	4.5	mg/Kg	☼	04/04/14 17:00	04/10/14 04:46	1
Lead	**12**	**B**	0.27	0.082	mg/Kg	☼	04/04/14 17:00	04/10/14 04:46	1
Magnesium	**21000**	**B**	5.5	1.1	mg/Kg	☼	04/04/14 17:00	04/10/14 04:46	1
Manganese	**310**		0.55	0.11	mg/Kg	☼	04/04/14 17:00	04/10/14 04:46	1
Nickel	**27**		0.55	0.11	mg/Kg	☼	04/04/14 17:00	04/10/14 04:46	1
Potassium	**3200**	**B**	27	1.6	mg/Kg	☼	04/04/14 17:00	04/10/14 04:46	1
Selenium	<0.55		0.55	0.20	mg/Kg	☼	04/10/14 16:00	04/11/14 19:24	1
Silver	**0.030**	**J**	0.27	0.020	mg/Kg	☼	04/04/14 17:00	04/10/14 04:46	1
Sodium	**2100**		55	7.3	mg/Kg	☼	04/04/14 17:00	04/10/14 04:46	1
Thallium	<0.55		0.55	0.23	mg/Kg	☼	04/04/14 17:00	04/10/14 04:46	1
Vanadium	**22**		0.27	0.041	mg/Kg	☼	04/04/14 17:00	04/10/14 04:46	1
Zinc	**45**		1.1	0.22	mg/Kg	☼	04/04/14 17:00	04/10/14 04:46	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.10	ug/L		04/10/14 13:50	04/11/14 11:24	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.10	ug/L		04/10/14 13:50	04/11/14 11:56	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**19**		17	6.7	ug/Kg	☼	04/04/14 13:35	04/07/14 12:24	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.99**		0.200	0.200	SU			04/07/14 14:37	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F3	Duplicate RPD exceeds the control limit
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74360-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
8260B	5030B	Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONMENTA

2417 Bond Street, University Park, IL 6
Phone: 708.534.5200 Fax: 708.53

500-74360 COC

(optional)

Report To
Contact: S. BabuSuKumar
Company: Weston Solutions Inc.
Address: 750 E Bunker Ct. Ste. 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax: 847-918-4055
E-Mail:

(optional)

Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74360

Chain of Custody Number:

Page 1 of 1

Temperature °C of Cooler: 3.5

Client: Weston Solutions Inc.
Client Project #:
Project Name: IDOT 050 - IL 171 from 47th St to 55th St.
Project Location/State: McCook/Summit IL
Lab Project #:
Sampler: M. Doherty-Skubic
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	VOCs	SVOCs	TOTAL METALS	TCLP/SPLP METALS	pH					Comments
							Parameter										
1		MWR-3(0-4)-040214	4-2-14	1035	2	S		X	X	X	X	X					
2		MWR-3(0-4)-040214D	4-2-14	1035	2	S		X	X	X	X	X					
3		MWR-3(4-8)-040214	4-2-14	1045	2	S		X	X	X	X	X					
4		MWR-4(0-6)-040214	4-2-14	1100	2	S		X	X	X	X	X					
5		MWR-2(0-4)-040214	4-2-14	1130	2	S		X	X	X	X	X					
6		MWR-2(4-8)-040214	4-2-14	1135	2	S		X	X	X	X	X					
7		MWR-1(0-6)-040214	4-2-14	1200	2	S		X	X	X	X	X					
8		171-2(0-6)-040214	4-2-14	1215	2	S		X	X	X	X	X					
9		IC-7(0-5)-040214	4-2-14	1325	2	S		X	X	X	X	X					
10		IC-7(5-9.5)-040214	4-2-14	1315	2	S		X	X	X	X	X					

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date _____

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[illegible]	Weston	4-2-14	1529	[illegible]	TA	4/2/14	1529
[illegible]	TA	4/2/14	1625	[illegible]	TA-CAL	4/3/14	0630

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-74264-1
Client Project/Site: IDOT - Lyons, McCook, Summit - 050
Revision: 1

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar

Authorized for release by:
4/22/2014 9:03:29 AM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

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Have a Question? Ask The Expert

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: 171-4(0-4.3)-040114
Date Collected: 04/01/14 09:45
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-8
Matrix: Solid
Percent Solids: 89.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.6		5.6	2.4	ug/Kg	☼		04/03/14 17:22	1
Benzene	<5.6		5.6	0.77	ug/Kg	☼		04/03/14 17:22	1
Bromodichloromethane	<5.6		5.6	0.97	ug/Kg	☼		04/03/14 17:22	1
Bromoform	<5.6		5.6	1.3	ug/Kg	☼		04/03/14 17:22	1
Bromomethane	<5.6	*	5.6	1.7	ug/Kg	☼		04/03/14 17:22	1
Carbon disulfide	<5.6		5.6	0.84	ug/Kg	☼		04/03/14 17:22	1
Carbon tetrachloride	<5.6		5.6	1.0	ug/Kg	☼		04/03/14 17:22	1
Chlorobenzene	<5.6		5.6	0.57	ug/Kg	☼		04/03/14 17:22	1
Chloroethane	<5.6	*	5.6	1.5	ug/Kg	☼		04/03/14 17:22	1
Chloroform	<5.6		5.6	0.65	ug/Kg	☼		04/03/14 17:22	1
Chloromethane	<5.6		5.6	1.2	ug/Kg	☼		04/03/14 17:22	1
cis-1,2-Dichloroethene	<5.6		5.6	0.79	ug/Kg	☼		04/03/14 17:22	1
cis-1,3-Dichloropropene	<5.6		5.6	0.74	ug/Kg	☼		04/03/14 17:22	1
Dibromochloromethane	<5.6		5.6	0.98	ug/Kg	☼		04/03/14 17:22	1
1,1-Dichloroethane	<5.6		5.6	0.89	ug/Kg	☼		04/03/14 17:22	1
1,2-Dichloroethane	<5.6		5.6	0.83	ug/Kg	☼		04/03/14 17:22	1
1,1-Dichloroethene	<5.6		5.6	0.91	ug/Kg	☼		04/03/14 17:22	1
1,2-Dichloropropane	<5.6		5.6	0.85	ug/Kg	☼		04/03/14 17:22	1
1,3-Dichloropropene, Total	<5.6		5.6	0.74	ug/Kg	☼		04/03/14 17:22	1
Ethylbenzene	<5.6		5.6	1.1	ug/Kg	☼		04/03/14 17:22	1
2-Hexanone	<5.6		5.6	1.6	ug/Kg	☼		04/03/14 17:22	1
Methylene Chloride	<5.6		5.6	1.5	ug/Kg	☼		04/03/14 17:22	1
Methyl Ethyl Ketone	<5.6		5.6	2.0	ug/Kg	☼		04/03/14 17:22	1
methyl isobutyl ketone	<5.6		5.6	1.5	ug/Kg	☼		04/03/14 17:22	1
Methyl tert-butyl ether	<5.6		5.6	0.93	ug/Kg	☼		04/03/14 17:22	1
Styrene	<5.6		5.6	0.74	ug/Kg	☼		04/03/14 17:22	1
1,1,2,2-Tetrachloroethane	<5.6		5.6	1.1	ug/Kg	☼		04/03/14 17:22	1
Tetrachloroethene	<5.6		5.6	0.86	ug/Kg	☼		04/03/14 17:22	1
Toluene	<5.6		5.6	0.79	ug/Kg	☼		04/03/14 17:22	1
trans-1,2-Dichloroethene	<5.6		5.6	0.77	ug/Kg	☼		04/03/14 17:22	1
trans-1,3-Dichloropropene	<5.6		5.6	1.0	ug/Kg	☼		04/03/14 17:22	1
1,1,1-Trichloroethane	<5.6		5.6	0.84	ug/Kg	☼		04/03/14 17:22	1
1,1,2-Trichloroethane	<5.6		5.6	0.77	ug/Kg	☼		04/03/14 17:22	1
Trichloroethene	<5.6		5.6	0.93	ug/Kg	☼		04/03/14 17:22	1
Vinyl chloride	<5.6		5.6	1.2	ug/Kg	☼		04/03/14 17:22	1
Xylenes, Total	<11		11	0.51	ug/Kg	☼		04/03/14 17:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 122*		*04/03/14 17:22*	*1*
Dibromofluoromethane	*112*		*75 - 120*		*04/03/14 17:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*101*		*70 - 134*		*04/03/14 17:22*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*04/03/14 17:22*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<180		180	39	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
1,2-Dichlorobenzene	<180		180	43	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
1,3-Dichlorobenzene	<180		180	40	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
1,4-Dichlorobenzene	<180		180	46	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
2,2'-oxybis[1-chloropropane]	<180		180	42	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: 171-4(0-4.3)-040114
Date Collected: 04/01/14 09:45
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-8
Matrix: Solid
Percent Solids: 89.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<360		360	82	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
2,4,6-Trichlorophenol	<360		360	120	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
2,4-Dichlorophenol	<360		360	85	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
2,4-Dimethylphenol	<360		360	140	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
2,4-Dinitrophenol	<720		720	630	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
2,4-Dinitrotoluene	<180		180	57	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
2,6-Dinitrotoluene	<180		180	71	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
2-Chloronaphthalene	<180		180	40	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
2-Chlorophenol	<180		180	61	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
2-Methylnaphthalene	**11**	**J**	36	6.6	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
2-Methylphenol	<180		180	58	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
2-Nitroaniline	<180		180	48	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
2-Nitrophenol	<360		360	85	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
3 & 4 Methylphenol	<180		180	60	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
3,3'-Dichlorobenzidine	<180		180	50	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
3-Nitroaniline	<360		360	110	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
4,6-Dinitro-2-methylphenol	<360		360	290	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
4-Bromophenyl phenyl ether	<180		180	47	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
4-Chloro-3-methylphenol	<360		360	120	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
4-Chloroaniline	<720		720	170	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
4-Chlorophenyl phenyl ether	<180		180	42	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
4-Nitroaniline	<360		360	150	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
4-Nitrophenol	<720		720	340	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Acenaphthene	**14**	**J**	36	6.4	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Acenaphthylene	**10**	**J**	36	4.7	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Anthracene	**54**		36	6.0	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Benzo[a]anthracene	**250**		36	4.8	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Benzo[a]pyrene	**210**		36	6.9	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Benzo[b]fluoranthene	**310**		36	7.7	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Benzo[g,h,i]perylene	**180**		36	12	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Benzo[k]fluoranthene	**140**		36	11	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Bis(2-chloroethoxy)methane	<180		180	37	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Bis(2-chloroethyl)ether	<180		180	54	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Bis(2-ethylhexyl) phthalate	<180		180	66	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Butyl benzyl phthalate	<180		180	68	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Carbazole	<180		180	93	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Chrysene	**290**		36	9.8	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Dibenz(a,h)anthracene	**54**		36	6.9	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Dibenzofuran	<180		180	42	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Diethyl phthalate	<180		180	61	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Dimethyl phthalate	<180		180	47	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Di-n-butyl phthalate	<180		180	55	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Di-n-octyl phthalate	<180		180	59	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Fluoranthene	**460**		36	6.7	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Fluorene	**14**	**J**	36	5.0	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Hexachlorobenzene	<72		72	8.3	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Hexachlorobutadiene	<180		180	56	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Hexachlorocyclopentadiene	<720		720	210	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Hexachloroethane	<180		180	55	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Client Sample ID: 171-4(0-4.3)-040114
Date Collected: 04/01/14 09:45
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-8
Matrix: Solid
Percent Solids: 89.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	120		36	9.3	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Isophorone	<180		180	40	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Naphthalene	9.1	J	36	5.5	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Nitrobenzene	<36		36	9.0	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
N-Nitrosodi-n-propylamine	<180		180	44	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
N-Nitrosodiphenylamine	<180		180	42	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Pentachlorophenol	<720		720	580	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Phenanthrene	260		36	5.0	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Phenol	<180		180	80	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1
Pyrene	650		36	7.1	ug/Kg	☼	04/04/14 07:10	04/07/14 18:08	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*70*		*35 - 137*	*04/04/14 07:10*	*04/07/14 18:08*	*1*
2-Fluorobiphenyl	*56*		*25 - 119*	*04/04/14 07:10*	*04/07/14 18:08*	*1*
2-Fluorophenol	*43*		*25 - 110*	*04/04/14 07:10*	*04/07/14 18:08*	*1*
Nitrobenzene-d5	*45*		*25 - 115*	*04/04/14 07:10*	*04/07/14 18:08*	*1*
Phenol-d5	*47*		*31 - 110*	*04/04/14 07:10*	*04/07/14 18:08*	*1*
Terphenyl-d14	*126*		*36 - 134*	*04/04/14 07:10*	*04/07/14 18:08*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/07/14 18:11	1
Barium	0.45	J	0.50	0.050	mg/L		04/07/14 07:30	04/07/14 18:11	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 07:30	04/07/14 18:11	1
Cadmium	0.0038	J	0.0050	0.0020	mg/L		04/07/14 07:30	04/07/14 18:11	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:11	1
Cobalt	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:11	1
Copper	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:11	1
Iron	<0.20		0.20	0.20	mg/L		04/07/14 07:30	04/07/14 18:11	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/07/14 07:30	04/07/14 18:11	1
Manganese	0.62		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:11	1
Nickel	0.013	J	0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:11	1
Selenium	0.012	J B	0.050	0.010	mg/L		04/07/14 07:30	04/07/14 18:11	1
Silver	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/07/14 18:11	1
Zinc	0.14		0.10	0.020	mg/L		04/07/14 07:30	04/07/14 18:11	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 09:15	04/09/14 00:43	1
Barium	0.14	J	0.50	0.050	mg/L		04/07/14 09:15	04/09/14 00:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:15	04/09/14 00:43	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:15	04/09/14 00:43	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 00:43	1
Cobalt	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 00:43	1
Copper	0.25		0.10	0.010	mg/L		04/07/14 09:15	04/09/14 00:43	1
Iron	0.49		0.20	0.20	mg/L		04/07/14 09:15	04/09/14 00:43	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/10/14 09:45	04/11/14 04:47	1
Manganese	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 00:43	1
Nickel	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 00:43	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:15	04/09/14 00:43	1

Client Sample ID: 171-4(0-4.3)-040114
Date Collected: 04/01/14 09:45
Date Received: 04/01/14 15:30

Lab Sample ID: 500-74264-8
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/07/14 09:15	04/09/14 00:43	1
Zinc	**0.24**	**B**	0.10	0.020	mg/L		04/07/14 09:15	04/09/14 00:43	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.49**	**J**	1.1	0.44	mg/Kg	☼	04/02/14 15:30	04/03/14 22:04	1
Arsenic	**9.5**		0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 22:04	1
Barium	**180**		0.55	0.059	mg/Kg	☼	04/02/14 15:30	04/03/14 22:04	1
Beryllium	**0.55**		0.22	0.044	mg/Kg	☼	04/02/14 15:30	04/03/14 22:04	1
Cadmium	**0.88**	**B**	0.11	0.014	mg/Kg	☼	04/02/14 15:30	04/03/14 22:04	1
Calcium	**35000**	**B**	11	3.0	mg/Kg	☼	04/02/14 15:30	04/03/14 22:04	1
Chromium	**14**		0.55	0.064	mg/Kg	☼	04/02/14 15:30	04/03/14 22:04	1
Cobalt	**9.4**		0.28	0.055	mg/Kg	☼	04/02/14 15:30	04/03/14 22:04	1
Copper	**34**		0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 22:04	1
Iron	**17000**		11	4.5	mg/Kg	☼	04/02/14 15:30	04/03/14 22:04	1
Lead	**43**	**B**	0.28	0.082	mg/Kg	☼	04/02/14 15:30	04/03/14 22:04	1
Magnesium	**20000**	**B**	5.5	1.1	mg/Kg	☼	04/02/14 15:30	04/03/14 22:04	1
Manganese	**300**		0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 22:04	1
Nickel	**22**	**^**	0.55	0.11	mg/Kg	☼	04/02/14 15:30	04/03/14 22:04	1
Potassium	**2700**		28	1.7	mg/Kg	☼	04/02/14 15:30	04/03/14 22:04	1
Selenium	<0.55		0.55	0.20	mg/Kg	☼	04/02/14 15:30	04/03/14 22:04	1
Silver	**0.079**	**J**	0.28	0.020	mg/Kg	☼	04/02/14 15:30	04/03/14 22:04	1
Sodium	**680**		55	7.4	mg/Kg	☼	04/02/14 15:30	04/03/14 22:04	1
Thallium	**0.88**		0.55	0.23	mg/Kg	☼	04/02/14 15:30	04/03/14 22:04	1
Vanadium	**19**		0.28	0.041	mg/Kg	☼	04/02/14 15:30	04/03/14 22:04	1
Zinc	**63**		1.1	0.22	mg/Kg	☼	04/02/14 15:30	04/03/14 22:04	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 11:34	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 12:31	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**93**		16	6.4	ug/Kg	☼	04/03/14 12:22	04/04/14 10:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.02**		0.200	0.200	SU			04/06/14 14:09	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
F1	MS and/or MSD Recovery exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F3	Duplicate RPD exceeds the control limit
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74264-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

TestAmerica

THE LEADER IN ENVIRONM

2417 Bond Street, University Pa
Phone: 708.534.5200 Fax:

500-74264 COC

(optional)

Report To
Contact: S. Babusukumar
Company: Weston
Address: 150 B. Bunker Court Suite 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4019
Fax:
E-Mail:

(optional)

Bill To
Contact:
Company:
Address: SAME
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74264
Chain of Custody Number:
Page 1 of 3
Temperature °C of Cooler: 3.5

Client: Weston
Client Project #:
Project Name: IDOT-050[redacted]
Project Location/State: McCook, IL
Lab Project #:
Sampler: Dan Cukierski
Lab PM:

Preservative
Parameter

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Total Aluminum	PCBs			Comments
1		IP-13(0-4)-040114	4/1/14	0800	2	S	X	X	X	X	X	X				
2		IP-13(0-4)-040114D	4/1/14	0800	2	S	X	X	X	X	X	X				
3		IP-14(0-4)-040114	4/1/14	0820	2	S	X	X	X	X	X	X				
4		IP-15(0-4)-040114	4/1/14	0830	2	S	X	X	X	X	X	X				
5		EL-6(0-2)-040114	4/1/14	0855	2	S	X	X	X	X	X					
6		EL-5(0-2)-040114	4/1/14	0910	2	S	X	X	X	X	X					
7		EL-4(0-2)-040114	4/1/14	0915	2	S	X	X	X	X	X					
8		EL71-4(0-4.3)-040114	4/1/14	0945	2	S	X	X	X	X	X					
9		IP-6(0-4)-040114	4/1/14	1015	2	S	X	X	X	X	X	X				
10		IP-7(0-2)-040114	4/1/14	1040	2	S	X	X	X	X	X	X				

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Turnaround Time Required (Business Days)
___1 Day ___2 Days ___5 Days ___7 Days ___10 Days ___15 Days Standard ___Other
Requested Due Date

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	4/1/14	1529		TA	4/1/14	1530
	TA	4/1/14	1648		TA	4/2/14	0700

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

Chain of Custody Record

Lab Job #: 500-74264

Chain of Custody Number:

Page 2 of 3

Temperature °C of Cooler:

Report To (optional)		Bill To (optional)	
Contact:	S. Babu Sukumar	Contact:	
Company:	Weston	Company:	
Address:	750 E. Bunker Court Suite 500	Address:	
Address:	Vernon Hills, IL 60061	Address:	SAMP
Phone:	847-918-4018	Phone:	
Fax:		Fax:	
E-Mail:		PO#/Reference#	

Client: Weston | Client Project #:

Project Name: IDOT OSO[redacted]

Project Location/State: McCook, IL | Lab Project #:

Sampler: Dan Cukierski | Lab PM:

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Total Aluminum	PCBs			Comments
11		IP-7(0-2)-040114D	4/1/14	1040	2	S	X	X	X	X	X	X				
12		IP-9(0-2)-040114	4/1/14	1115	2	S	X	X	X	X	X	X				
13		IP-11(0-4)-040114	4/1/14	1120	2	S	X	X	X	X	X	X				
14		EL-2(0-2)-040114	4/1/14	1150	2	S	X	X	X	X	X					
15		EL-3(0-2)-040114	4/1/14	1205	2	S	X	X	X	X	X					
16		CR-2(0-3)-040114	4/1/14	1235	2	S	X	X	X	X	X					
17		CR-2(3-7)-~~040114~~040114	4/1/14	1240	2	S	X	X	X	X	X					
18		IC-4(0-5)-040114	4/1/14	1310	2	S	X	X	X	X	X		X			
19		IC-4(5-9.5)-040114	4/1/14	1315	2	S	X	X	X	X	X		X			
20		IC-3(0-5)-040114	4/1/14	1340	2	S	X	X	X	X	X		X			

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard ___ Other
Requested Due Date _____

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for _____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
DD	Weston	4/1/14	1529		TA	4/1/14	1530
	TA	4/1/14	1648		TA	4/2/14	0700

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

Illinois Environmental Protection Agency

Bureau of Land • 1021 North Grand Avenue East • P.O. Box 19276 • Springfield • Illinois • 62794-9276

Uncontaminated Soil Certification by Licensed Professional Engineer or Licensed Professional Geologist for Use of Uncontaminated Soil as Fill in a CCDD or Uncontaminated Soil Fill Operation LPC-663 Revised in accordance with 35 Ill. Adm. Code 1100, as amended by PCB R2012-009 (eff. Aug. 27, 2012)

This certification form is to be used by professional engineers and professional geologists to certify, pursuant to 35 Ill. Adm. Code 1100.205(a)(1)(B), that soil (i) is uncontaminated soil and (ii) is within a pH range of 6.26 to 9.0. If you have questions about this form, please telephone the Bureau of Land Permit Section at 217/524-3300.

This form may be completed online, saved locally, printed and signed, and submitted to prospective clean construction or demolition debris (CCDD) fill operations or uncontaminated soil fill operations.

I. Source Location Information

(Describe the location of the source of the uncontaminated soil)

Project Name: FAP 372: IL 171 (1st Ave) from 47th St to 55th St Office Phone Number, if available: _____

Physical Site Location (address, inclduding number and street):
IL 171 and West 47th Street intersection

City: McCook State: IL Zip Code: _____

County: Cook Township: _____

Lat/Long of approximate center of site in decimal degrees (DD.ddddd) to five decimal places (e.g., 40.67890, -90.12345):

Latitude: 41.806123146 (Decimal Degrees) Longitude: -87.833368506 (-Decimal Degrees)

Identify how the lat/long data were determined:

☒ GPS ☐ Map Interpolation ☐ Photo Interpolation ☐ Survey ☐ Other

IEPA Site Number(s), if assigned: BOL: _____ BOW: _____ BOA: _____

II. Owner/Operator Information for Source Site

Site Owner		Site Operator	
Name:	Illinois Department of Transportation	Name:	Illinois Department of Transportation
Street Address:	201 West Center Court	Street Address:	201 West Center Court
PO Box:		PO Box:	
City:	Schaumburg State: IL	City:	Schaumburg State: IL
Zip Code:	60196-1096 Phone: 847-705-4101	Zip Code:	60196-1096 Phone: 847-705-4101
Contact:	Sam Mead	Contact:	Sam Mead
Email, if available:	Sam.Mead@illinois.gov	Email, if available:	Sam.Mead@illinois.gov

This Agency is authorized to require this information under Section 4 and Title X of the Environmental Protection Act (415 ILCS 5/4, 5/39). Failure to disclose this information may result in: a civil penalty of not to exceed $50,000 for the violation and an additional civil penalty of not to exceed $10,000 for each day during which the violation continues (415 ILCS 5/42). This form has been approved by the Forms Management Center.

Project Name: FAP 372: IL 171 (1st Ave) from 47th St to 55th St

Latitude: 41.806123146 Longitude: -87.833368506

Uncontaminated Site Certification

III. Basis for Certification and Attachments

For each item listed below, reference the attachments to this form that provide the required information.

a. A Description of the soil sample points and how they were determined to be sufficient in number and appropriately located 35 Ill. Adm. Code 1100.610(a)]:

LOCATIONS ID-1 THROUGH ID-6 WERE SAMPLED ADJACENT TO ISGS SITE No. 1860-69. SEE FIGURE 3-8 AND TABLE 4-1 OF THE REVISED PRELIMINARY SITE INVESTIGATION REPORT FOR SAMPLING DETAILS.

b. Analytical soil testing results to show that soil chemical constituents comply with the maximum allowable concentrations established pursuant to 35 Ill. Adm. Code Part 1100, Subpart F and that the soil pH is within the range of 6.25 to 9.0, including the documentation of chain of custody control, a copy of the lab analysis; the accreditation status of the laboratory performing the analysis; and certification by an authorized agent of the laboratory that the analysis has been performed in accordance with the Agency's rules for the accreditation of environmental and the scope of the accreditation [35 Ill. Adm. Code 1100.201(g), 1100.205(a), 1100.610]:

TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-74180-1
TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-74263-1
TEST AMERICA ANALYTICAL REPORT - JOB ID: 500-74266-1

IV. Certification Statement, Signature and Seal of Licensed Professional Engineer or Licensed Professional Geologist

I, Steven Gobelman, P.E., L.P.G (name of licensed professional engineer or geologist) certify under penalty of law that the information submitted, including but not limited to, all attachments and other information, is to the best of my knowledge and belief, true, accurate and complete. In accordance with the Environmental Protection Act [415 ILCS 5/22.51 or 22.51a] and 35 Ill. Adm. Code 1100.205(a), I certify that the soil from this site is uncontaminated soil. I also certify that the soil pH is within the range of 6.25 to 9.0. In addition, I certify that the soil has not been removed from the site as part of a cleanup or removal of contaminants. All necessary documentation is attached.

Any person who knowingly makes a false, fictitious, or fraudulent material statement, orally or in writing, to the Illinois EPA commits a Class 4 felony. A second or subsequent offense after conviction is a Class 3 felony. (415 ILCS 5/44(h))

Company Name: Illinois Department of Transportation

Street Address: 2300 South Dirksen Parkway

City: Springfield State: IL Zip Code: 62764

Phone: 217-785-4246

Steven Gobelman, P.E., L.P.G
Printed Name:

Licensed Professional Engineer or
Licensed Professional Geologist Signature:

6/12/14
Date:

STEVEN GOBELMAN
196-000598
LICENSED PROFESSIONAL GEOLOGIST
STATE OF ILLINOIS

P.E. and L.P.G. Seal:

Summary Table of ISGS Site No. 1860-69
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	ID-1(0-5)-040114	ID-1(5-9)-040114	ID-2(0-5)-040114	ID-2(5-9)-040114	ID-3(0-5)-040114	Soil Reference Concentrations[A]
Sample Date	4/1/2014	4/1/2014	4/1/2014	4/1/2014	4/1/2014	
Location ID	ID-1	ID-1	ID-2	ID-2	ID-3	
ISGS Site No.	1860-69	1860-69	1860-69	1860-69	1860-69	
Depth	0 - 5	5 - 9	0 - 5	5 - 9	0 - 5	
Lab Sample ID	500-74266-7	500-74266-8	500-74266-9	500-74266-10	500-74263-1	
Parameter						
Laboratory pH (s.u.)	8.48	8	8.72	8.06	7.23	<6.25,>9.0
VOCs (ug/kg)						
Acetone	ND	ND	ND	ND	14	25000
Ethylbenzene	ND	ND	ND	ND	ND	13000
Methyl ethyl ketone	ND	ND	ND	ND	ND	17000
SVOCs (ug/kg)						
3 & 4 Methylphenol	ND	ND	ND	ND	ND	---
Acenaphthene	31 J	21 J	ND	37 J	ND	570000
Acenaphthylene	ND	11 J	ND	10 J	ND	85000
Anthracene	76	20 J	16 J	110	ND	1.20E+07
Benzo(a)anthracene	110	37 J	36 J	210	ND	900 / 1100 / 1800
Benzo(a)pyrene	96	55	47	170	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	120	64	48	210	15 J	900 / 1500 / 2100
Benzo(g,h,i)perylene	65	59	31 J	110	ND	2300000
Benzo(k)fluoranthene	45	31 J	24 J	100	ND	9000
Chrysene	140	56	35 J	240	15 J	88000
Dibenzo(a,h)anthracene	30 J	29 J	25 J	43	ND	90 / 200 / 420
Dibenzofuran	47 J	ND	ND	ND	ND	---
Fluoranthene	300	92	57	540	13 J	3100000
Fluorene	19 J	17 J	ND	61	ND	560000
Indeno(1,2,3-cd)pyrene	53	43	30 J	89	ND	900 / 900 / 1600
Naphthalene, SVOC	11 J	8.4 J	ND	22 J	ND	1800
Phenanthrene	150	45	48	410	25 J	210000
Pyrene	270	110	57	470	17 J	2300000
Total Metals (mg/kg)						
Antimony, Total	0.58 J	ND	0.55 J	0.49 J	0.69 J	5
Arsenic, Total	8.4	7.2	9	7	8.6	11.3 / 13
Barium, Total	44	47	43	54	64	1500
Beryllium, Total	0.51	0.55	0.45	0.56	0.67	22
Cadmium, Total	0.71 J-	0.62 J-	0.65 J-	0.59 J-	0.87	5.2
Calcium, Total	52000 B	45000 B	83000 B	48000 B	40000 J+	---
Chromium, Total	16	18	13	18	20 J+	21
Cobalt, Total	9.9 J	11 J	8.4 J	9.8 J	13	20
Copper, Total	29	28	26	81	32 J-	2900
Iron, Total	20000	19000	17000	19000	22000 J+	15000 / 15900
Lead, Total	15 B	11 B	20 B	13 B	17 J	107
Magnesium, Total	29000 B	21000 B	36000 B	24000 B	21000 J+	325000
Manganese, Total	430 J	350 J	260 J	360 J	380 J	630 / 636
Mercury, Total	0.03 J+	0.022 J+	0.031 J+	0.021 J+	0.0077 J	0.89
Nickel, Total	26 ^	27 ^	21 ^	27 ^	28 J	100
Potassium, Total	2700	3200	2200	3400	3200 J+	---
Selenium, Total	ND	ND	ND	ND	ND	1.3
Silver, Total	0.039 J	ND	0.046 J	ND	0.026 J	4.4
Sodium, Total	1300 J-	630 J-	1200 J-	660 J-	1400 J+	---
Thallium, Total	0.39 J	0.4 J	ND	0.43 J	0.39 J	2.6
Vanadium, Total	19	21	18	19	26	550
Zinc, Total	42 J-	43 J-	41 J-	39 J-	48	5100
TCLP Metals (mg/l)						
Barium, TCLP	0.65	0.54	0.52	0.6	0.75	2
Cadmium, TCLP	0.0023 J	0.0029 J	0.0023 J	ND	ND	0.005
Cobalt, TCLP	0.057	0.052	0.062	0.019 J	0.014 J	1
Copper, TCLP	0.013 J	ND	0.01 J	ND	0.033	0.65
Iron, TCLP	0.21	ND	0.26	ND	0.44	5
Lead, TCLP	0.0091	ND	0.0077	ND	0.0084	0.0075
Manganese, TCLP	5.7	4.8	5.1	2.8	3.5	0.15
Nickel, TCLP	0.05	0.039	0.061	0.034	0.013 J	0.1
Selenium, TCLP	ND	ND	0.011 J	ND	ND	0.05
Zinc, TCLP	0.13	0.11	0.11	0.062 J	ND	5

Summary Table of ISGS Site No. 1860-69
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	ID-1(0-5)-040114	ID-1(5-9)-040114	ID-2(0-5)-040114	ID-2(5-9)-040114	ID-3(0-5)-040114	**Soil Reference Concentrations[A]**
Sample Date	4/1/2014	4/1/2014	4/1/2014	4/1/2014	4/1/2014	
Location ID	ID-1	ID-1	ID-2	ID-2	ID-3	
ISGS Site No.	1860-69	1860-69	1860-69	1860-69	1860-69	
Depth	0 - 5	5 - 9	0 - 5	5 - 9	0 - 5	
Lab Sample ID	500-74266-7	500-74266-8	500-74266-9	500-74266-10	500-74263-1	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	0.011 J	0.038 J	ND	ND	0.05
Barium, SPLP	ND	ND	ND	ND	0.35 J	2
Beryllium, SPLP	ND	ND	0.0046	ND	ND	0.004
Cadmium, SPLP	ND	ND	ND	ND	ND	0.005
Chromium, SPLP	ND	0.05	0.1	0.029	0.011 J	0.1
Cobalt, SPLP	ND	0.018 J	0.036	ND	0.013 J	1
Copper, SPLP	ND	ND	0.16 B	ND	0.039	0.65
Iron, SPLP	1.1	40	92	21	4.5 J	5
Lead, SPLP	ND	0.029	0.098	0.011	0.025	0.0075
Manganese, SPLP	ND	0.43 B	0.56 B	0.2 B	1	0.15
Mercury, SPLP	ND	ND	ND	ND	0.00015 J	0.002
Nickel, SPLP	ND	0.053	0.11	0.026	0.015 J	0.1
Zinc, SPLP	ND	ND	ND	ND	0.31	5

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

^ - Laboratory Control Spike (LCS) or LCS duplicate exceeded the control limits.

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

Shaded values indicate concentration **exceeds** Reference Concentration.

Summary Table of ISGS Site No. 1860-69
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	ID-3(0-5)-040114D	ID-3(5-9)-040114	ID-4(0-4)-033114	ID-5(0-5)-040114	ID-6(0-5)-040114	Soil Reference Concentrations[A]
Sample Date	4/1/2014	4/1/2014	3/31/2014	4/1/2014	4/1/2014	
Location ID	ID-3	ID-3	ID-4	ID-5	ID-6	
ISGS Site No.	1860-69	1860-69	1860-69	1860-69	1860-69	
Depth	0 - 5	5 - 9	0 - 4	0 - 5	0 - 5	
Lab Sample ID	500-74263-2	500-74263-3	500-74180-14	500-74263-4	500-74266-11	
Parameter						
Laboratory pH (s.u.)	7.91	7.74	8.02	8	8.56	<6.25,>9.0
VOCs (ug/kg)						
Acetone	13	ND	52	23	ND	25000
Ethylbenzene	ND	120	ND	ND	ND	13000
Methyl ethyl ketone	ND	ND	9.5	5.5 J	ND	17000
SVOCs (ug/kg)						
3 & 4 Methylphenol	ND	ND	ND	ND	ND	---
Acenaphthene	ND	17 J	ND	44	ND	570000
Acenaphthylene	ND	ND	ND	19 J	ND	85000
Anthracene	10 J	ND	ND	ND	ND	1.20E+07
Benzo(a)anthracene	16 J	ND	34 J	ND	29 J	900 / 1100 / 1800
Benzo(a)pyrene	ND	ND	55	ND	47	90 / 1300 / 2100
Benzo(b)fluoranthene	24 J	12 J	64	ND	47	900 / 1500 / 2100
Benzo(g,h,i)perylene	22 J	17 J	42	ND	33 J	2300000
Benzo(k)fluoranthene	ND	ND	29 J	ND	26 J	9000
Chrysene	26 J	12 J	58	ND	45	88000
Dibenzo(a,h)anthracene	ND	ND	27 J	ND	26 J	90 / 200 / 420
Dibenzofuran	ND	ND	ND	ND	ND	---
Fluoranthene	30 J	11 J	59	9.1 J	69	3100000
Fluorene	10 J	30 J	ND	75	ND	560000
Indeno(1,2,3-cd)pyrene	ND	ND	38 J	ND	30 J	900 / 900 / 1600
Naphthalene, SVOC	ND	250	ND	ND	ND	1800
Phenanthrene	39	25 J	27 J	190	46	210000
Pyrene	52	22 J	59	14 J	72	2300000
Total Metals (mg/kg)						
Antimony, Total	ND	ND	ND	0.57 J	0.55 J	5
Arsenic, Total	7.9	8.1	8.7 J+	11	8.6	11.3 / 13
Barium, Total	57	54	44	56	59	1500
Beryllium, Total	0.61	0.67	0.62 J	0.64	0.59	22
Cadmium, Total	0.7	0.9	0.55	0.92	0.7 J-	5.2
Calcium, Total	32000 J+	51000 J+	16000 J	22000 J+	55000 B	---
Chromium, Total	18 J+	21 J+	17	17 J+	17	21
Cobalt, Total	9.7	10	10	10	9.9 J	20
Copper, Total	27 J-	27 J-	23 B	39 J-	27	2900
Iron, Total	19000 J+	21000 J+	18000 J+	23000 J+	20000	15000 / 15900
Lead, Total	14 J	12 J	20 J	17 J	15 B	107
Magnesium, Total	17000 J+	25000 J+	8300 J	15000 J+	27000 B	325000
Manganese, Total	300 J	330 J	140 J	280 J	340 J	630 / 636
Mercury, Total	0.017 J	0.028 J	0.031 J+	0.048 J	0.025 J+	0.89
Nickel, Total	25 J	28 J	23 J-	30 J	26 ^	100
Potassium, Total	3100 J+	4100 J+	1600 J	2700 J+	2900	---
Selenium, Total	ND	ND	0.42 J	0.22 J	ND	1.3
Silver, Total	ND	ND	ND	ND	ND	4.4
Sodium, Total	1400 J+	260 J+	5600	850 J+	1500 J-	---
Thallium, Total	0.36 J	0.47 J	0.35 J	0.76	ND	2.6
Vanadium, Total	24	26	26	23	23	550
Zinc, Total	42	47	60 J	53	42 J-	5100
TCLP Metals (mg/l)						
Barium, TCLP	0.78	0.6	0.51	0.66	0.72	2
Cadmium, TCLP	ND	ND	ND	ND	0.002 J	0.005
Cobalt, TCLP	0.015 J	0.015 J	ND	ND	0.023 J	1
Copper, TCLP	0.021 J	0.026	0.02 J	0.027	0.016 J	0.65
Iron, TCLP	ND	ND	ND	ND	ND	5
Lead, TCLP	ND	ND	0.011	ND	ND	0.0075
Manganese, TCLP	3.4	2.9	0.29	3.7	3.5	0.15
Nickel, TCLP	0.014 J	0.015 J	ND	0.011 J	0.04	0.1
Selenium, TCLP	ND	ND	ND	ND	0.012 J	0.05
Zinc, TCLP	ND	ND	0.14	ND	0.25	5

Summary Table of ISGS Site No. 1860-69
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	ID-3(0-5)-040114D	ID-3(5-9)-040114	ID-4(0-4)-033114	ID-5(0-5)-040114	ID-6(0-5)-040114	**Soil Reference Concentrations[A]**
Sample Date	4/1/2014	4/1/2014	3/31/2014	4/1/2014	4/1/2014	
Location ID	ID-3	ID-3	ID-4	ID-5	ID-6	
ISGS Site No.	1860-69	1860-69	1860-69	1860-69	1860-69	
Depth	0 - 5	5 - 9	0 - 4	0 - 5	0 - 5	
Lab Sample ID	500-74263-2	500-74263-3	500-74180-14	500-74263-4	500-74266-11	
Parameter						
SPLP Metals (mg/l)						
Arsenic, SPLP	ND	ND	0.068	ND	0.02 J	0.05
Barium, SPLP	0.33 J	0.26 J	0.53 B	0.55	ND	2
Beryllium, SPLP	ND	ND	0.0056	ND	ND	0.004
Cadmium, SPLP	ND	ND	0.0021 J	ND	ND	0.005
Chromium, SPLP	ND	ND	0.15	0.014 J	0.062	0.1
Cobalt, SPLP	0.012 J	ND	0.061	0.023 J	0.018 J	1
Copper, SPLP	0.033	0.019 J	0.21 B	0.086	0.092 B	0.65
Iron, SPLP	2.2 J	0.71 J	140 J+	8.6 J	55	5
Lead, SPLP	0.019	ND	0.22	0.053	0.037	0.0075
Manganese, SPLP	0.81	0.28	0.65	1.1	0.29 B	0.15
Mercury, SPLP	0.00011 J	ND	0.00028	0.0004	ND	0.002
Nickel, SPLP	0.011 J	ND	0.16	0.031	0.068	0.1
Zinc, SPLP	0.26	0.32	0.55 B	0.34	ND	5

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

^ - Laboratory Control Spike (LCS) or LCS duplicate exceeded the control limits.

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

Shaded values indicate concentration **exceeds** Reference Concentration.

Summary Table of ISGS Site No. 1860-69
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	ID-6(5-9)-040114	**Soil Reference Concentrations[A]**
Sample Date	4/1/2014	
Location ID	ID-6	
ISGS Site No.	1860-69	
Depth	5 - 9	
Lab Sample ID	500-74266-12	
Parameter		
Laboratory pH (s.u.)	8.12	<6.25,>9.0
VOCs (ug/kg)		
Acetone	ND	25000
Ethylbenzene	ND	13000
Methyl ethyl ketone	ND	17000
SVOCs (ug/kg)		
3 & 4 Methylphenol	ND	---
Acenaphthene	ND	570000
Acenaphthylene	ND	85000
Anthracene	ND	1.20E+07
Benzo(a)anthracene	ND	900 / 1100 / 1800
Benzo(a)pyrene	ND	90 / 1300 / 2100
Benzo(b)fluoranthene	ND	900 / 1500 / 2100
Benzo(g,h,i)perylene	17 J	2300000
Benzo(k)fluoranthene	ND	9000
Chrysene	ND	88000
Dibenzo(a,h)anthracene	ND	90 / 200 / 420
Dibenzofuran	ND	---
Fluoranthene	ND	3100000
Fluorene	ND	560000
Indeno(1,2,3-cd)pyrene	20 J	900 / 900 / 1600
Naphthalene, SVOC	ND	1800
Phenanthrene	14 J	210000
Pyrene	ND	2300000
Total Metals (mg/kg)		
Antimony, Total	ND	5
Arsenic, Total	8.4	11.3 / 13
Barium, Total	55	1500
Beryllium, Total	0.57	22
Cadmium, Total	0.64 J-	5.2
Calcium, Total	52000 B	---
Chromium, Total	19	21
Cobalt, Total	9.1 J	20
Copper, Total	24	2900
Iron, Total	20000	15000 / 15900
Lead, Total	10 B	107
Magnesium, Total	25000 B	325000
Manganese, Total	310 J	630 / 636
Mercury, Total	0.028 J+	0.89
Nickel, Total	26 ^	100
Potassium, Total	3400	---
Selenium, Total	ND	1.3
Silver, Total	ND	4.4
Sodium, Total	650 J-	---
Thallium, Total	ND	2.6
Vanadium, Total	21	550
Zinc, Total	41 J-	5100
TCLP Metals (mg/l)		
Barium, TCLP	0.61	2
Cadmium, TCLP	0.0025 J	0.005
Cobalt, TCLP	0.039	1
Copper, TCLP	0.018 J	0.65
Iron, TCLP	0.22	5
Lead, TCLP	ND	0.0075
Manganese, TCLP	4.4	0.15
Nickel, TCLP	0.043	0.1
Selenium, TCLP	0.015 J	0.05
Zinc, TCLP	0.21	5

Summary Table of ISGS Site No. 1860-69
Comparison of Detected Constituents to Applicable Reference Concentrations
Soil Analytical Results
Illinois Department of Transportation
FAP 372: Illlinois Route 171 (First Avenue) from 47th Street to 55th Street
Lyons, McCook, and Summit, Cook County, Illinois

Field Sample ID	ID-6(5-9)-040114	**Soil Reference Concentrations[A]**
Sample Date	4/1/2014	
Location ID	ID-6	
ISGS Site No.	1860-69	
Depth	5 - 9	
Lab Sample ID	500-74266-12	
Parameter		
SPLP Metals (mg/l)		
Arsenic, SPLP	ND	0.05
Barium, SPLP	ND	2
Beryllium, SPLP	ND	0.004
Cadmium, SPLP	ND	0.005
Chromium, SPLP	0.017 J	0.1
Cobalt, SPLP	ND	1
Copper, SPLP	ND	0.65
Iron, SPLP	9.8	5
Lead, SPLP	ND	0.0075
Manganese, SPLP	0.17 B	0.15
Mercury, SPLP	ND	0.002
Nickel, SPLP	0.015 J	0.1
Zinc, SPLP	ND	5

Notes:

--- - not applicable or value not available.

[A] - Soil reference concentrations from MAC Table. Background values for Chicago corporate limits and MSA counties are included, as applicable.

^ - Laboratory Control Spike (LCS) or LCS duplicate exceeded the control limits.

ND - Constituent not detected above the reporting limit.

B - Constituent detected in the blank and investigative sample.

J - Estimated concentration.

J+ - Estimated concentration, biased high.

J- - Estimated concentration, biased low.

Shaded values indicate concentration **exceeds** Reference Concentration.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-74180-1
Client Project/Site: IDOT - Lyons, McCook, Summit - 050

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar

Authorized for release by:
4/9/2014 4:15:50 PM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: ID-4(0-4)-033114
Date Collected: 03/31/14 12:55
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-14
Matrix: Solid
Percent Solids: 80.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**52**		6.2	2.7	ug/Kg	☼		04/01/14 16:21	1
Benzene	<6.2		6.2	0.86	ug/Kg	☼		04/01/14 16:21	1
Bromodichloromethane	<6.2		6.2	1.1	ug/Kg	☼		04/01/14 16:21	1
Bromoform	<6.2		6.2	1.4	ug/Kg	☼		04/01/14 16:21	1
Bromomethane	<6.2	*	6.2	1.9	ug/Kg	☼		04/01/14 16:21	1
Carbon disulfide	<6.2		6.2	0.93	ug/Kg	☼		04/01/14 16:21	1
Carbon tetrachloride	<6.2		6.2	1.1	ug/Kg	☼		04/01/14 16:21	1
Chlorobenzene	<6.2		6.2	0.63	ug/Kg	☼		04/01/14 16:21	1
Chloroethane	<6.2	*	6.2	1.7	ug/Kg	☼		04/01/14 16:21	1
Chloroform	<6.2		6.2	0.72	ug/Kg	☼		04/01/14 16:21	1
Chloromethane	<6.2		6.2	1.3	ug/Kg	☼		04/01/14 16:21	1
cis-1,2-Dichloroethene	<6.2		6.2	0.88	ug/Kg	☼		04/01/14 16:21	1
cis-1,3-Dichloropropene	<6.2		6.2	0.82	ug/Kg	☼		04/01/14 16:21	1
Dibromochloromethane	<6.2		6.2	1.1	ug/Kg	☼		04/01/14 16:21	1
1,1-Dichloroethane	<6.2		6.2	0.99	ug/Kg	☼		04/01/14 16:21	1
1,2-Dichloroethane	<6.2		6.2	0.92	ug/Kg	☼		04/01/14 16:21	1
1,1-Dichloroethene	<6.2		6.2	1.0	ug/Kg	☼		04/01/14 16:21	1
1,2-Dichloropropane	<6.2		6.2	0.95	ug/Kg	☼		04/01/14 16:21	1
1,3-Dichloropropene, Total	<6.2		6.2	0.82	ug/Kg	☼		04/01/14 16:21	1
Ethylbenzene	<6.2		6.2	1.3	ug/Kg	☼		04/01/14 16:21	1
2-Hexanone	<6.2		6.2	1.8	ug/Kg	☼		04/01/14 16:21	1
Methylene Chloride	<6.2		6.2	1.7	ug/Kg	☼		04/01/14 16:21	1
Methyl Ethyl Ketone	**9.5**		6.2	2.3	ug/Kg	☼		04/01/14 16:21	1
methyl isobutyl ketone	<6.2		6.2	1.6	ug/Kg	☼		04/01/14 16:21	1
Methyl tert-butyl ether	<6.2		6.2	1.0	ug/Kg	☼		04/01/14 16:21	1
Styrene	<6.2		6.2	0.82	ug/Kg	☼		04/01/14 16:21	1
1,1,2,2-Tetrachloroethane	<6.2		6.2	1.3	ug/Kg	☼		04/01/14 16:21	1
Tetrachloroethene	<6.2		6.2	0.95	ug/Kg	☼		04/01/14 16:21	1
Toluene	<6.2		6.2	0.87	ug/Kg	☼		04/01/14 16:21	1
trans-1,2-Dichloroethene	<6.2		6.2	0.86	ug/Kg	☼		04/01/14 16:21	1
trans-1,3-Dichloropropene	<6.2		6.2	1.1	ug/Kg	☼		04/01/14 16:21	1
1,1,1-Trichloroethane	<6.2		6.2	0.93	ug/Kg	☼		04/01/14 16:21	1
1,1,2-Trichloroethane	<6.2		6.2	0.85	ug/Kg	☼		04/01/14 16:21	1
Trichloroethene	<6.2		6.2	1.0	ug/Kg	☼		04/01/14 16:21	1
Vinyl chloride	<6.2		6.2	1.3	ug/Kg	☼		04/01/14 16:21	1
Xylenes, Total	<12		12	0.57	ug/Kg	☼		04/01/14 16:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*114*		*70 - 122*		*04/01/14 16:21*	*1*
Dibromofluoromethane	*112*		*75 - 120*		*04/01/14 16:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*107*		*70 - 134*		*04/01/14 16:21*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*04/01/14 16:21*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	44	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
1,2-Dichlorobenzene	<200		200	49	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
1,3-Dichlorobenzene	<200		200	46	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: ID-4(0-4)-033114
Date Collected: 03/31/14 12:55
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-14
Matrix: Solid
Percent Solids: 80.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	93	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
2,4-Dichlorophenol	<400		400	96	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
2,4-Dinitrophenol	<820		820	710	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
2,4-Dinitrotoluene	<200		200	65	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
2,6-Dinitrotoluene	<200		200	80	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
2-Chloronaphthalene	<200		200	45	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
2-Methylnaphthalene	<40		40	7.5	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
2-Methylphenol	<200		200	65	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
2-Nitroaniline	<200		200	55	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
2-Nitrophenol	<400		400	96	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
3 & 4 Methylphenol	<200		200	68	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
3,3'-Dichlorobenzidine	<200		200	57	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
3-Nitroaniline	<400		400	130	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
4,6-Dinitro-2-methylphenol	<400		400	330	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
4-Bromophenyl phenyl ether	<200		200	54	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
4-Chloroaniline	<820		820	190	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
4-Nitrophenol	<820		820	390	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Acenaphthene	<40		40	7.3	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Acenaphthylene	<40		40	5.4	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Anthracene	<40		40	6.8	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Benzo[a]anthracene	**34**	**J**	40	5.5	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Benzo[a]pyrene	**55**		40	7.9	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Benzo[b]fluoranthene	**64**		40	8.8	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Benzo[g,h,i]perylene	**42**		40	13	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Benzo[k]fluoranthene	**29**	**J**	40	12	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Bis(2-chloroethyl)ether	<200		200	61	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Bis(2-ethylhexyl) phthalate	<200		200	74	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Butyl benzyl phthalate	<200		200	77	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Carbazole	<200		200	100	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Chrysene	**58**		40	11	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Dibenz(a,h)anthracene	**27**	**J**	40	7.8	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Dibenzofuran	<200		200	48	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Diethyl phthalate	<200		200	69	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Dimethyl phthalate	<200		200	53	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Di-n-butyl phthalate	<200		200	62	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Fluoranthene	**59**		40	7.5	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Fluorene	<40		40	5.7	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Hexachlorobenzene	<82		82	9.4	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Hexachlorobutadiene	<200		200	64	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Hexachlorocyclopentadiene	<820		820	230	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Hexachloroethane	<200		200	62	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Client Sample ID: ID-4(0-4)-033114
Date Collected: 03/31/14 12:55
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-14
Matrix: Solid
Percent Solids: 80.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	38	J	40	11	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Isophorone	<200		200	46	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Naphthalene	<40		40	6.2	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Nitrobenzene	<40		40	10	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
N-Nitrosodi-n-propylamine	<200		200	50	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
N-Nitrosodiphenylamine	<200		200	48	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Pentachlorophenol	<820		820	650	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Phenanthrene	27	J	40	5.7	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Phenol	<200		200	90	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1
Pyrene	59		40	8.1	ug/Kg	☼	04/01/14 06:56	04/07/14 13:53	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*80*		*35 - 137*	*04/01/14 06:56*	*04/07/14 13:53*	*1*
2-Fluorobiphenyl	*51*		*25 - 119*	*04/01/14 06:56*	*04/07/14 13:53*	*1*
2-Fluorophenol	*52*		*25 - 110*	*04/01/14 06:56*	*04/07/14 13:53*	*1*
Nitrobenzene-d5	*45*		*25 - 115*	*04/01/14 06:56*	*04/07/14 13:53*	*1*
Phenol-d5	*51*		*31 - 110*	*04/01/14 06:56*	*04/07/14 13:53*	*1*
Terphenyl-d14	*97*		*36 - 134*	*04/01/14 06:56*	*04/07/14 13:53*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 17:44	1
Barium	0.51		0.50	0.050	mg/L		04/03/14 08:15	04/03/14 17:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/03/14 08:15	04/03/14 17:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/03/14 08:15	04/03/14 17:44	1
Chromium	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:44	1
Cobalt	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:44	1
Copper	0.020	J	0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:44	1
Iron	<0.20		0.20	0.20	mg/L		04/03/14 08:15	04/03/14 17:44	1
Lead	0.011		0.0075	0.0075	mg/L		04/03/14 08:15	04/03/14 17:44	1
Manganese	0.29		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:44	1
Nickel	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:44	1
Selenium	<0.050		0.050	0.010	mg/L		04/03/14 08:15	04/03/14 17:44	1
Silver	<0.025		0.025	0.010	mg/L		04/03/14 08:15	04/03/14 17:44	1
Zinc	0.14		0.10	0.020	mg/L		04/03/14 08:15	04/03/14 17:44	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.068		0.050	0.010	mg/L		04/02/14 09:15	04/03/14 14:09	1
Barium	0.53	B	0.50	0.050	mg/L		04/02/14 09:15	04/03/14 14:09	1
Beryllium	0.0056		0.0040	0.0040	mg/L		04/02/14 09:15	04/03/14 14:09	1
Cadmium	0.0021	J	0.0050	0.0020	mg/L		04/02/14 09:15	04/03/14 14:09	1
Chromium	0.15		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:09	1
Cobalt	0.061		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:09	1
Copper	0.21	B	0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:09	1
Iron	140		0.20	0.20	mg/L		04/02/14 09:15	04/03/14 14:09	1
Lead	0.22		0.0075	0.0075	mg/L		04/02/14 09:15	04/03/14 14:09	1
Manganese	0.65		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:09	1
Nickel	0.16		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:09	1
Selenium	<0.050		0.050	0.010	mg/L		04/02/14 09:15	04/03/14 14:09	1

Client Sample ID: ID-4(0-4)-033114
Date Collected: 03/31/14 12:55
Date Received: 03/31/14 15:20

Lab Sample ID: 500-74180-14
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/02/14 09:15	04/03/14 14:09	1
Zinc	**0.55**	**B**	0.10	0.020	mg/L		04/02/14 09:15	04/03/14 14:09	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.49	mg/Kg	☼	04/01/14 09:15	04/01/14 17:11	1
Arsenic	**8.7**		0.61	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 17:11	1
Barium	**44**		0.61	0.065	mg/Kg	☼	04/01/14 09:15	04/01/14 17:11	1
Beryllium	**0.62**		0.24	0.049	mg/Kg	☼	04/01/14 09:15	04/01/14 17:11	1
Cadmium	**0.55**		0.12	0.016	mg/Kg	☼	04/01/14 09:15	04/01/14 17:11	1
Calcium	**16000**	**B**	12	3.3	mg/Kg	☼	04/01/14 09:15	04/01/14 17:11	1
Chromium	**17**		0.61	0.071	mg/Kg	☼	04/01/14 09:15	04/01/14 17:11	1
Cobalt	**10**		0.31	0.061	mg/Kg	☼	04/01/14 09:15	04/01/14 17:11	1
Copper	**23**	**B**	0.61	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 17:11	1
Iron	**18000**	**B**	12	5.0	mg/Kg	☼	04/01/14 09:15	04/01/14 17:11	1
Lead	**20**	**B**	0.31	0.091	mg/Kg	☼	04/01/14 09:15	04/01/14 17:11	1
Magnesium	**8300**	**B**	6.1	1.3	mg/Kg	☼	04/01/14 09:15	04/01/14 17:11	1
Manganese	**140**		0.61	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 17:11	1
Nickel	**23**		0.61	0.12	mg/Kg	☼	04/01/14 09:15	04/01/14 17:11	1
Potassium	**1600**		31	1.8	mg/Kg	☼	04/01/14 09:15	04/01/14 17:11	1
Selenium	**0.42**	**J**	0.61	0.22	mg/Kg	☼	04/01/14 09:15	04/01/14 17:11	1
Silver	<0.31		0.31	0.022	mg/Kg	☼	04/01/14 09:15	04/01/14 17:11	1
Sodium	**5600**		610	82	mg/Kg	☼	04/01/14 09:15	04/03/14 21:04	10
Thallium	**0.35**	**J**	0.61	0.26	mg/Kg	☼	04/01/14 09:15	04/01/14 17:11	1
Vanadium	**26**		0.31	0.045	mg/Kg	☼	04/01/14 09:15	04/01/14 17:11	1
Zinc	**60**		1.2	0.25	mg/Kg	☼	04/01/14 09:15	04/01/14 17:11	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/03/14 13:10	04/04/14 11:00	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.28**		0.20	0.020	ug/L		04/02/14 15:00	04/03/14 09:21	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**31**		19	7.3	ug/Kg	☼	04/01/14 14:20	04/02/14 09:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.02**		0.200	0.200	SU			04/06/14 11:58	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits
X	Surrogate is outside control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
F3	Duplicate RPD exceeds the control limit
F1	MS and/or MSD Recovery exceeds the control limits
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74180-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-14 *

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

* Expired certification is currently pending renewal and is considered valid.

TestAmerica

THE LEADER IN ENVIRONMENT

2417 Bond Street, University Park, IL
Phone: 708.534.5200 Fax: 708.5

500-74180 COC

(optional)
Report To
Contact: S. Babusukumar
Company: Weston
Address: 750 E. Bunker Court Suite 500
Address: Vernon Hills, IL, 60061
Phone: 847-918-4018
Fax:
E-Mail:

(optional)
Bill To
Contact:
Company:
Address:
Address: SAME
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74180
Chain of Custody Number:
Page 1 of 3
Temperature °C of Cooler: 3.9

Client: Weston
Client Project #:
Project Name: IDOT-050/051
Project Location/State: McCook, IL
Lab Project #:
Sampler: Dan Cukierski
Lab PM:

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH					Comments
1		RE2-4(0-4)-033114	3/31/14	0850	2	S		X	X	X	X	X					
2		RE2-4(0-4)-033114D	3/31/14	0850	2	S		X	X	X	X	X					
3		RE2-3(0-4)-033114	3/31/14	0910	2	S		X	X	X	X	X					
4		RE2-1(0-2)-033114	3/31/14	1000	2	S		X	X	X	X	X					
5		RE2-2(0-4)-033114	3/31/14	1010	2	S		X	X	X	X	X					
6		JE-1(0-3.5)-033114	3/31/14	1035	2	S		X	X	X	X	X					
7		JE-2(0-2.5)-033114	3/31/14	1050	2	S		X	X	X	X	X					
8	DC	~~RE3~~ RE4-1(0-3.5)-033114	3/31/14	1110	2	S		X	X	X	X	X					
9		RE4-2(0-3)-033114	3/31/14	1120	2	S		X	X	X	X	X					
10		RE4-3(0-2)-033114	3/31/14	1140	2	S		X	X	X	X	X					

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days standard Other
Requested Due Date

Sample Disposal
☐ Return to Client ☒ Disposal by Lab ☐ Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	3/31/14	1520		TA	3/31/14	1520
	TA	3/31/14	1630		TA	4/1/14	0600

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)

Report To
Contact: S. Babusukumar
Company: Weston
Address: 750 E Bunker Court Suite 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax:
E-Mail:

(optional)

Bill To
Contact:
Company: SAMB
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74180

Chain of Custody Number:

Page 2 of 3

Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT-050-051
Project Location/State: McCook, IL
Lab Project #:
Sampler: Dan Cukierski
Lab PM:

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP/SPLP Metals	pH	Total Aluminum	RCRA			Comments
11		RB4-3(0-2)-033114D	3/31/14	1140	2	S		X	X	X	X	X					
12		RB4-8(0-4)-033114	3/31/14	1210	2	S		X	X	X	X	X					
13		RB4-7(0-4)-033114	3/31/14	1225	2	S		X	X	X	X	X					
14		ID-4(0-4)-033114	3/31/14	1255	2	S		X	X	X	X	X					
15		IP-23(0-2)-033114	3/31/14	1330	2	S		X	X	X	X	X	X				
16		IP-22(0-4)-033114	3/31/14	1345	2	S		X	X	X	X	X	X				
17		IP-21(0-4)-033114	3/31/14	1355	2	S		X	X	X	X	X	X				
18		IP-20(0-4)-033114	3/31/14	1410	2	S		X	X	X	X	X	X				
19		IP-19(0-4)-033114	3/31/14	1435	2	S		X	X	X	X	X	X				
20		IP-18(0-4)-033114	3/31/14	1445	2	S		X	X	X	X	X	X				

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date:

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ____ Months (A fee may be assessed if samples are retained longer than 1 month)

	Relinquished By	Company	Date	Time	Received By	Company	Date	Time
1		Weston	3/31/14	1520		TA	3/31/14	1520
2		TA	3/31/14	1630		TA	4/1/14	0600
3								

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-74266-1
Client Project/Site: IDOT - Lyons, McCook, Summit - 050

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar

Authorized for release by:
4/9/2014 11:05:28 AM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

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Visit us at: www.testamericainc.com

The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client Sample ID: ID-1(0-5)-040114
Date Collected: 04/01/14 14:35
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-7
Matrix: Solid
Percent Solids: 86.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.8		5.8	2.5	ug/Kg	☼		04/02/14 19:22	1
Benzene	<5.8		5.8	0.79	ug/Kg	☼		04/02/14 19:22	1
Bromodichloromethane	<5.8		5.8	0.99	ug/Kg	☼		04/02/14 19:22	1
Bromoform	<5.8		5.8	1.3	ug/Kg	☼		04/02/14 19:22	1
Bromomethane	<5.8		5.8	1.7	ug/Kg	☼		04/02/14 19:22	1
Carbon disulfide	<5.8		5.8	0.86	ug/Kg	☼		04/02/14 19:22	1
Carbon tetrachloride	<5.8		5.8	1.0	ug/Kg	☼		04/02/14 19:22	1
Chlorobenzene	<5.8		5.8	0.58	ug/Kg	☼		04/02/14 19:22	1
Chloroethane	<5.8		5.8	1.6	ug/Kg	☼		04/02/14 19:22	1
Chloroform	<5.8		5.8	0.66	ug/Kg	☼		04/02/14 19:22	1
Chloromethane	<5.8		5.8	1.2	ug/Kg	☼		04/02/14 19:22	1
cis-1,2-Dichloroethene	<5.8		5.8	0.82	ug/Kg	☼		04/02/14 19:22	1
cis-1,3-Dichloropropene	<5.8		5.8	0.76	ug/Kg	☼		04/02/14 19:22	1
Dibromochloromethane	<5.8		5.8	1.0	ug/Kg	☼		04/02/14 19:22	1
1,1-Dichloroethane	<5.8		5.8	0.91	ug/Kg	☼		04/02/14 19:22	1
1,2-Dichloroethane	<5.8		5.8	0.85	ug/Kg	☼		04/02/14 19:22	1
1,1-Dichloroethene	<5.8		5.8	0.93	ug/Kg	☼		04/02/14 19:22	1
1,2-Dichloropropane	<5.8		5.8	0.88	ug/Kg	☼		04/02/14 19:22	1
1,3-Dichloropropene, Total	<5.8		5.8	0.76	ug/Kg	☼		04/02/14 19:22	1
Ethylbenzene	<5.8		5.8	1.2	ug/Kg	☼		04/02/14 19:22	1
2-Hexanone	<5.8		5.8	1.7	ug/Kg	☼		04/02/14 19:22	1
Methylene Chloride	<5.8		5.8	1.6	ug/Kg	☼		04/02/14 19:22	1
Methyl Ethyl Ketone	<5.8		5.8	2.1	ug/Kg	☼		04/02/14 19:22	1
methyl isobutyl ketone	<5.8		5.8	1.5	ug/Kg	☼		04/02/14 19:22	1
Methyl tert-butyl ether	<5.8		5.8	0.95	ug/Kg	☼		04/02/14 19:22	1
Styrene	<5.8		5.8	0.76	ug/Kg	☼		04/02/14 19:22	1
1,1,2,2-Tetrachloroethane	<5.8		5.8	1.2	ug/Kg	☼		04/02/14 19:22	1
Tetrachloroethene	<5.8		5.8	0.88	ug/Kg	☼		04/02/14 19:22	1
Toluene	<5.8		5.8	0.81	ug/Kg	☼		04/02/14 19:22	1
trans-1,2-Dichloroethene	<5.8		5.8	0.79	ug/Kg	☼		04/02/14 19:22	1
trans-1,3-Dichloropropene	<5.8		5.8	1.0	ug/Kg	☼		04/02/14 19:22	1
1,1,1-Trichloroethane	<5.8		5.8	0.86	ug/Kg	☼		04/02/14 19:22	1
1,1,2-Trichloroethane	<5.8		5.8	0.79	ug/Kg	☼		04/02/14 19:22	1
Trichloroethene	<5.8		5.8	0.95	ug/Kg	☼		04/02/14 19:22	1
Vinyl chloride	<5.8		5.8	1.2	ug/Kg	☼		04/02/14 19:22	1
Xylenes, Total	<12		12	0.52	ug/Kg	☼		04/02/14 19:22	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 122*		*04/02/14 19:22*	*1*
Dibromofluoromethane	*119*		*75 - 120*		*04/02/14 19:22*	*1*
1,2-Dichloroethane-d4 (Surr)	*113*		*70 - 134*		*04/02/14 19:22*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*04/02/14 19:22*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	40	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
1,2-Dichlorobenzene	<190		190	44	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
1,3-Dichlorobenzene	<190		190	42	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
1,4-Dichlorobenzene	<190		190	48	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
2,2'-oxybis[1-chloropropane]	<190		190	43	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74266-1

Client Sample ID: ID-1(0-5)-040114
Date Collected: 04/01/14 14:35
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-7
Matrix: Solid
Percent Solids: 86.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<370		370	85	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
2,4,6-Trichlorophenol	<370		370	130	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
2,4-Dichlorophenol	<370		370	88	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
2,4-Dimethylphenol	<370		370	140	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
2,4-Dinitrophenol	<750		750	650	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
2,4-Dinitrotoluene	<190		190	59	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
2,6-Dinitrotoluene	<190		190	73	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
2-Chloronaphthalene	<190		190	41	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
2-Chlorophenol	<190		190	63	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
2-Methylnaphthalene	**21**	**J**	37	6.8	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
2-Methylphenol	<190		190	60	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
2-Nitroaniline	<190		190	50	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
2-Nitrophenol	<370		370	88	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
3 & 4 Methylphenol	<190		190	62	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
3,3'-Dichlorobenzidine	<190		190	52	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
3-Nitroaniline	<370		370	120	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
4,6-Dinitro-2-methylphenol	<370		370	300	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
4-Bromophenyl phenyl ether	<190		190	49	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
4-Chloro-3-methylphenol	<370		370	130	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
4-Chloroaniline	<750		750	170	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
4-Chlorophenyl phenyl ether	<190		190	43	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
4-Nitroaniline	<370		370	160	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
4-Nitrophenol	<750		750	350	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Acenaphthene	**31**	**J**	37	6.7	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Acenaphthylene	<37		37	4.9	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Anthracene	**76**		37	6.2	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Benzo[a]anthracene	**110**		37	5.0	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Benzo[a]pyrene	**96**		37	7.2	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Benzo[b]fluoranthene	**120**		37	8.0	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Benzo[g,h,i]perylene	**65**		37	12	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Benzo[k]fluoranthene	**45**		37	11	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Bis(2-chloroethoxy)methane	<190		190	38	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Bis(2-chloroethyl)ether	<190		190	56	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Bis(2-ethylhexyl) phthalate	<190		190	68	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Butyl benzyl phthalate	<190		190	71	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Carbazole	<190		190	96	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Chrysene	**140**		37	10	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Dibenz(a,h)anthracene	**30**	**J**	37	7.2	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Dibenzofuran	**47**	**J**	190	44	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Diethyl phthalate	<190		190	63	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Dimethyl phthalate	<190		190	49	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Di-n-butyl phthalate	<190		190	57	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Di-n-octyl phthalate	<190		190	61	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Fluoranthene	**300**		37	6.9	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Fluorene	**19**	**J**	37	5.2	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Hexachlorobenzene	<75		75	8.6	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Hexachlorobutadiene	<190		190	58	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Hexachlorocyclopentadiene	<750		750	210	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Hexachloroethane	<190		190	57	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74266-1

Client Sample ID: ID-1(0-5)-040114
Date Collected: 04/01/14 14:35
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-7
Matrix: Solid
Percent Solids: 86.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**53**		37	9.6	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Isophorone	<190		190	42	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Naphthalene	**11**	**J**	37	5.7	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Nitrobenzene	<37		37	9.3	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
N-Nitrosodi-n-propylamine	<190		190	45	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
N-Nitrosodiphenylamine	<190		190	44	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Pentachlorophenol	<750		750	600	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Phenanthrene	**150**		37	5.2	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Phenol	<190		190	83	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1
Pyrene	**270**		37	7.4	ug/Kg	☼	04/03/14 18:14	04/04/14 19:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*62*		*35 - 137*	*04/03/14 18:14*	*04/04/14 19:41*	*1*
2-Fluorobiphenyl	*47*		*25 - 119*	*04/03/14 18:14*	*04/04/14 19:41*	*1*
2-Fluorophenol	*49*		*25 - 110*	*04/03/14 18:14*	*04/04/14 19:41*	*1*
Nitrobenzene-d5	*47*		*25 - 115*	*04/03/14 18:14*	*04/04/14 19:41*	*1*
Phenol-d5	*47*		*31 - 110*	*04/03/14 18:14*	*04/04/14 19:41*	*1*
Terphenyl-d14	*94*		*36 - 134*	*04/03/14 18:14*	*04/04/14 19:41*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/08/14 02:43	1
Barium	**0.65**		0.50	0.050	mg/L		04/07/14 07:30	04/08/14 02:43	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 07:30	04/08/14 02:43	1
Cadmium	**0.0023**	**J**	0.0050	0.0020	mg/L		04/07/14 07:30	04/08/14 02:43	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:43	1
Cobalt	**0.057**		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:43	1
Copper	**0.013**	**J**	0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:43	1
Iron	**0.21**		0.20	0.20	mg/L		04/07/14 07:30	04/08/14 02:43	1
Lead	**0.0091**		0.0075	0.0075	mg/L		04/07/14 07:30	04/08/14 02:43	1
Manganese	**5.7**		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 12:54	1
Nickel	**0.050**		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:43	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/08/14 02:43	1
Silver	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:43	1
Zinc	**0.13**		0.10	0.020	mg/L		04/07/14 07:30	04/08/14 02:43	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/14 16:00	04/07/14 13:40	1
Barium	**0.16**	**J B**	0.50	0.050	mg/L		04/04/14 16:00	04/07/14 13:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/14 16:00	04/07/14 13:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/14 16:00	04/07/14 13:40	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:40	1
Cobalt	<0.025		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:40	1
Copper	**0.024**	**J B**	0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:40	1
Iron	**1.1**		0.20	0.20	mg/L		04/04/14 16:00	04/07/14 13:40	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/04/14 16:00	04/07/14 13:40	1
Manganese	**0.046**	**B**	0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:40	1
Nickel	<0.025		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:40	1
Selenium	<0.050		0.050	0.010	mg/L		04/04/14 16:00	04/07/14 13:40	1

Client Sample ID: ID-1(0-5)-040114
Date Collected: 04/01/14 14:35
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-7
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:40	1
Zinc	**0.13**	**B**	0.10	0.020	mg/L		04/04/14 16:00	04/07/14 13:40	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.58**	**J**	1.1	0.43	mg/Kg	☼	04/03/14 08:00	04/04/14 04:59	1
Arsenic	**8.4**		0.54	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 04:59	1
Barium	**44**		0.54	0.058	mg/Kg	☼	04/03/14 08:00	04/04/14 04:59	1
Beryllium	**0.51**		0.22	0.043	mg/Kg	☼	04/03/14 08:00	04/04/14 04:59	1
Cadmium	**0.71**		0.11	0.014	mg/Kg	☼	04/03/14 08:00	04/04/14 04:59	1
Calcium	**52000**	**B**	11	2.9	mg/Kg	☼	04/03/14 08:00	04/04/14 04:59	1
Chromium	**16**		0.54	0.063	mg/Kg	☼	04/03/14 08:00	04/04/14 04:59	1
Cobalt	**9.9**		0.27	0.054	mg/Kg	☼	04/03/14 08:00	04/04/14 04:59	1
Copper	**29**		0.54	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 04:59	1
Iron	**20000**		11	4.4	mg/Kg	☼	04/03/14 08:00	04/04/14 04:59	1
Lead	**15**	**B**	0.27	0.080	mg/Kg	☼	04/03/14 08:00	04/04/14 04:59	1
Magnesium	**29000**	**B**	5.4	1.1	mg/Kg	☼	04/03/14 08:00	04/04/14 04:59	1
Manganese	**430**		0.54	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 04:59	1
Nickel	**26**	**^**	0.54	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 04:59	1
Potassium	**2700**		27	1.6	mg/Kg	☼	04/03/14 08:00	04/04/14 04:59	1
Selenium	<0.54		0.54	0.19	mg/Kg	☼	04/03/14 08:00	04/04/14 04:59	1
Silver	**0.039**	**J**	0.27	0.020	mg/Kg	☼	04/03/14 08:00	04/04/14 04:59	1
Sodium	**1300**		54	7.2	mg/Kg	☼	04/03/14 08:00	04/04/14 04:59	1
Thallium	**0.39**	**J**	0.54	0.23	mg/Kg	☼	04/03/14 08:00	04/04/14 04:59	1
Vanadium	**19**		0.27	0.040	mg/Kg	☼	04/03/14 08:00	04/04/14 04:59	1
Zinc	**42**		1.1	0.22	mg/Kg	☼	04/03/14 08:00	04/04/14 04:59	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 09:40	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.043**	**J B**	0.20	0.020	ug/L		04/04/14 15:00	04/07/14 11:52	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**30**		18	7.1	ug/Kg	☼	04/03/14 12:22	04/04/14 09:28	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.48**		0.200	0.200	SU			04/07/14 13:02	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74266-1

Client Sample ID: ID-1(5-9)-040114
Date Collected: 04/01/14 14:40
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-8
Matrix: Solid
Percent Solids: 83.5

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		04/02/14 19:44	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		04/02/14 19:44	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/02/14 19:44	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		04/02/14 19:44	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		04/02/14 19:44	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		04/02/14 19:44	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		04/02/14 19:44	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		04/02/14 19:44	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		04/02/14 19:44	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		04/02/14 19:44	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		04/02/14 19:44	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		04/02/14 19:44	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		04/02/14 19:44	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/02/14 19:44	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		04/02/14 19:44	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/02/14 19:44	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		04/02/14 19:44	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		04/02/14 19:44	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		04/02/14 19:44	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		04/02/14 19:44	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		04/02/14 19:44	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		04/02/14 19:44	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		04/02/14 19:44	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		04/02/14 19:44	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		04/02/14 19:44	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		04/02/14 19:44	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/02/14 19:44	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		04/02/14 19:44	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		04/02/14 19:44	1
trans-1,2-Dichloroethene	<6.0		6.0	0.82	ug/Kg	☼		04/02/14 19:44	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		04/02/14 19:44	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		04/02/14 19:44	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		04/02/14 19:44	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		04/02/14 19:44	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		04/02/14 19:44	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		04/02/14 19:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*113*		*70 - 122*		*04/02/14 19:44*	*1*
Dibromofluoromethane	*110*		*75 - 120*		*04/02/14 19:44*	*1*
1,2-Dichloroethane-d4 (Surr)	*98*		*70 - 134*		*04/02/14 19:44*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*04/02/14 19:44*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
2,2'-oxybis[1-chloropropane]	<190		190	44	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1

Client Sample ID: ID-1(5-9)-040114
Date Collected: 04/01/14 14:40
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-8
Matrix: Solid
Percent Solids: 83.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	87	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
2,4-Dimethylphenol	<380		380	140	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
2,4-Dinitrophenol	<770		770	670	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
2,6-Dinitrotoluene	<190		190	75	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
2-Chloronaphthalene	<190		190	42	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
2-Chlorophenol	<190		190	65	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
2-Methylnaphthalene	<38		38	7.0	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
2-Methylphenol	<190		190	61	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
2-Nitroaniline	<190		190	51	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
2-Nitrophenol	<380		380	90	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
3,3'-Dichlorobenzidine	<190		190	53	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
4-Bromophenyl phenyl ether	<190		190	50	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
4-Chloroaniline	<770		770	180	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
4-Nitrophenol	<770		770	360	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Acenaphthene	**21**	**J**	38	6.9	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Acenaphthylene	**11**	**J**	38	5.0	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Anthracene	**20**	**J**	38	6.4	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Benzo[a]anthracene	**37**	**J**	38	5.1	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Benzo[a]pyrene	**55**		38	7.4	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Benzo[b]fluoranthene	**64**		38	8.2	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Benzo[g,h,i]perylene	**59**		38	12	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Benzo[k]fluoranthene	**31**	**J**	38	11	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Bis(2-chloroethyl)ether	<190		190	57	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Carbazole	<190		190	98	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Chrysene	**56**		38	10	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Dibenz(a,h)anthracene	**29**	**J**	38	7.4	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Dibenzofuran	<190		190	45	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Di-n-butyl phthalate	<190		190	58	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Di-n-octyl phthalate	<190		190	62	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Fluoranthene	**92**		38	7.1	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Fluorene	**17**	**J**	38	5.4	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Hexachlorobenzene	<77		77	8.8	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Hexachlorocyclopentadiene	<770		770	220	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Hexachloroethane	<190		190	58	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1

Client Sample ID: ID-1(5-9)-040114
Date Collected: 04/01/14 14:40
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-8
Matrix: Solid
Percent Solids: 83.5

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**43**		38	9.9	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Isophorone	<190		190	43	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Naphthalene	**8.4**	**J**	38	5.9	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Nitrobenzene	<38		38	9.5	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Pentachlorophenol	<770		770	610	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Phenanthrene	**45**		38	5.3	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Phenol	<190		190	85	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1
Pyrene	**110**		38	7.6	ug/Kg	☼	04/03/14 18:14	04/04/14 20:01	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*56*		*35 - 137*	*04/03/14 18:14*	*04/04/14 20:01*	*1*
2-Fluorobiphenyl	*40*		*25 - 119*	*04/03/14 18:14*	*04/04/14 20:01*	*1*
2-Fluorophenol	*40*		*25 - 110*	*04/03/14 18:14*	*04/04/14 20:01*	*1*
Nitrobenzene-d5	*32*		*25 - 115*	*04/03/14 18:14*	*04/04/14 20:01*	*1*
Phenol-d5	*38*		*31 - 110*	*04/03/14 18:14*	*04/04/14 20:01*	*1*
Terphenyl-d14	*74*		*36 - 134*	*04/03/14 18:14*	*04/04/14 20:01*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/08/14 02:48	1
Barium	**0.54**		0.50	0.050	mg/L		04/07/14 07:30	04/08/14 02:48	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 07:30	04/08/14 02:48	1
Cadmium	**0.0029**	**J**	0.0050	0.0020	mg/L		04/07/14 07:30	04/08/14 02:48	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:48	1
Cobalt	**0.052**		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:48	1
Copper	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:48	1
Iron	<0.20		0.20	0.20	mg/L		04/07/14 07:30	04/08/14 02:48	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/07/14 07:30	04/08/14 02:48	1
Manganese	**4.8**		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 12:59	1
Nickel	**0.039**		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:48	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/08/14 02:48	1
Silver	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:48	1
Zinc	**0.11**		0.10	0.020	mg/L		04/07/14 07:30	04/08/14 02:48	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.011**	**J**	0.050	0.010	mg/L		04/04/14 16:00	04/07/14 13:44	1
Barium	**0.29**	**J B**	0.50	0.050	mg/L		04/04/14 16:00	04/07/14 13:44	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/14 16:00	04/07/14 13:44	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/14 16:00	04/07/14 13:44	1
Chromium	**0.050**		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:44	1
Cobalt	**0.018**	**J**	0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:44	1
Copper	**0.064**	**B**	0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:44	1
Iron	**40**		0.20	0.20	mg/L		04/04/14 16:00	04/07/14 13:44	1
Lead	**0.029**		0.0075	0.0075	mg/L		04/04/14 16:00	04/07/14 13:44	1
Manganese	**0.43**	**B**	0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:44	1
Nickel	**0.053**		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:44	1
Selenium	<0.050		0.050	0.010	mg/L		04/04/14 16:00	04/07/14 13:44	1

Client Sample ID: ID-1(5-9)-040114
Date Collected: 04/01/14 14:40
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-8
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:44	1
Zinc	**0.20**	**B**	0.10	0.020	mg/L		04/04/14 16:00	04/07/14 13:44	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.47	mg/Kg	☼	04/03/14 08:00	04/04/14 05:05	1
Arsenic	**7.2**		0.59	0.12	mg/Kg	☼	04/03/14 08:00	04/04/14 05:05	1
Barium	**47**		0.59	0.063	mg/Kg	☼	04/03/14 08:00	04/04/14 05:05	1
Beryllium	**0.55**		0.24	0.047	mg/Kg	☼	04/03/14 08:00	04/04/14 05:05	1
Cadmium	**0.62**		0.12	0.015	mg/Kg	☼	04/03/14 08:00	04/04/14 05:05	1
Calcium	**45000**	**B**	12	3.2	mg/Kg	☼	04/03/14 08:00	04/04/14 05:05	1
Chromium	**18**		0.59	0.068	mg/Kg	☼	04/03/14 08:00	04/04/14 05:05	1
Cobalt	**11**		0.29	0.059	mg/Kg	☼	04/03/14 08:00	04/04/14 05:05	1
Copper	**28**		0.59	0.12	mg/Kg	☼	04/03/14 08:00	04/04/14 05:05	1
Iron	**19000**		12	4.8	mg/Kg	☼	04/03/14 08:00	04/04/14 05:05	1
Lead	**11**	**B**	0.29	0.088	mg/Kg	☼	04/03/14 08:00	04/04/14 05:05	1
Magnesium	**21000**	**B**	5.9	1.2	mg/Kg	☼	04/03/14 08:00	04/04/14 05:05	1
Manganese	**350**		0.59	0.12	mg/Kg	☼	04/03/14 08:00	04/04/14 05:05	1
Nickel	**27**	**^**	0.59	0.12	mg/Kg	☼	04/03/14 08:00	04/04/14 05:05	1
Potassium	**3200**		29	1.8	mg/Kg	☼	04/03/14 08:00	04/04/14 05:05	1
Selenium	<0.59		0.59	0.21	mg/Kg	☼	04/03/14 08:00	04/04/14 05:05	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	04/03/14 08:00	04/04/14 05:05	1
Sodium	**630**		59	7.9	mg/Kg	☼	04/03/14 08:00	04/04/14 05:05	1
Thallium	**0.40**	**J**	0.59	0.25	mg/Kg	☼	04/03/14 08:00	04/04/14 05:05	1
Vanadium	**21**		0.29	0.044	mg/Kg	☼	04/03/14 08:00	04/04/14 05:05	1
Zinc	**43**		1.2	0.24	mg/Kg	☼	04/03/14 08:00	04/04/14 05:05	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 09:42	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.095**	**J B**	0.20	0.020	ug/L		04/04/14 15:00	04/07/14 11:58	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**22**		18	7.1	ug/Kg	☼	04/03/14 12:22	04/04/14 09:29	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.00**		0.200	0.200	SU			04/07/14 13:05	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74266-1

Client Sample ID: ID-2(0-5)-040114
Date Collected: 04/01/14 15:00
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-9
Matrix: Solid
Percent Solids: 85.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.5	ug/Kg	☼		04/03/14 14:41	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		04/03/14 14:41	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/03/14 14:41	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		04/03/14 14:41	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		04/03/14 14:41	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	☼		04/03/14 14:41	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		04/03/14 14:41	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		04/03/14 14:41	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		04/03/14 14:41	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		04/03/14 14:41	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		04/03/14 14:41	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	☼		04/03/14 14:41	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	☼		04/03/14 14:41	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/03/14 14:41	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		04/03/14 14:41	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		04/03/14 14:41	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		04/03/14 14:41	1
1,2-Dichloropropane	<5.9		5.9	0.89	ug/Kg	☼		04/03/14 14:41	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	☼		04/03/14 14:41	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		04/03/14 14:41	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		04/03/14 14:41	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		04/03/14 14:41	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		04/03/14 14:41	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		04/03/14 14:41	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	☼		04/03/14 14:41	1
Styrene	<5.9		5.9	0.77	ug/Kg	☼		04/03/14 14:41	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		04/03/14 14:41	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	☼		04/03/14 14:41	1
Toluene	<5.9		5.9	0.82	ug/Kg	☼		04/03/14 14:41	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		04/03/14 14:41	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		04/03/14 14:41	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/03/14 14:41	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	☼		04/03/14 14:41	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		04/03/14 14:41	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		04/03/14 14:41	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/03/14 14:41	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 122*		*04/03/14 14:41*	*1*
Dibromofluoromethane	*117*		*75 - 120*		*04/03/14 14:41*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*		*04/03/14 14:41*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*04/03/14 14:41*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74266-1

Client Sample ID: ID-2(0-5)-040114
Date Collected: 04/01/14 15:00
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-9
Matrix: Solid
Percent Solids: 85.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
2-Methylphenol	<190		190	62	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Anthracene	**16**	**J**	38	6.4	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Benzo[a]anthracene	**36**	**J**	38	5.2	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Benzo[a]pyrene	**47**		38	7.5	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Benzo[b]fluoranthene	**48**		38	8.3	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Benzo[g,h,i]perylene	**31**	**J**	38	12	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Benzo[k]fluoranthene	**24**	**J**	38	11	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Carbazole	<190		190	99	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Chrysene	**35**	**J**	38	10	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Dibenz(a,h)anthracene	**25**	**J**	38	7.4	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Dibenzofuran	<190		190	45	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Fluoranthene	**57**		38	7.1	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Fluorene	<38		38	5.4	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Hexachloroethane	<190		190	59	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74266-1

Client Sample ID: ID-2(0-5)-040114
Date Collected: 04/01/14 15:00
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-9
Matrix: Solid
Percent Solids: 85.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	30	J	38	10	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Isophorone	<190		190	43	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Naphthalene	<38		38	5.9	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Phenanthrene	48		38	5.4	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Phenol	<190		190	86	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1
Pyrene	57		38	7.6	ug/Kg	☼	04/03/14 18:14	04/04/14 20:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*48*		*35 - 137*	*04/03/14 18:14*	*04/04/14 20:21*	*1*
2-Fluorobiphenyl	*34*		*25 - 119*	*04/03/14 18:14*	*04/04/14 20:21*	*1*
2-Fluorophenol	*33*		*25 - 110*	*04/03/14 18:14*	*04/04/14 20:21*	*1*
Nitrobenzene-d5	*29*		*25 - 115*	*04/03/14 18:14*	*04/04/14 20:21*	*1*
Phenol-d5	*31*		*31 - 110*	*04/03/14 18:14*	*04/04/14 20:21*	*1*
Terphenyl-d14	*63*		*36 - 134*	*04/03/14 18:14*	*04/04/14 20:21*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/08/14 02:53	1
Barium	0.52		0.50	0.050	mg/L		04/07/14 07:30	04/08/14 02:53	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 07:30	04/08/14 02:53	1
Cadmium	0.0023	J	0.0050	0.0020	mg/L		04/07/14 07:30	04/08/14 02:53	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:53	1
Cobalt	0.062		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:53	1
Copper	0.010	J	0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:53	1
Iron	0.26		0.20	0.20	mg/L		04/07/14 07:30	04/08/14 02:53	1
Lead	0.0077		0.0075	0.0075	mg/L		04/07/14 07:30	04/08/14 02:53	1
Manganese	5.1		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 13:04	1
Nickel	0.061		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:53	1
Selenium	0.011	J	0.050	0.010	mg/L		04/07/14 07:30	04/08/14 02:53	1
Silver	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:53	1
Zinc	0.11		0.10	0.020	mg/L		04/07/14 07:30	04/08/14 02:53	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.038	J	0.050	0.010	mg/L		04/04/14 16:00	04/07/14 13:48	1
Barium	0.48	J B	0.50	0.050	mg/L		04/04/14 16:00	04/07/14 13:48	1
Beryllium	0.0046		0.0040	0.0040	mg/L		04/04/14 16:00	04/07/14 13:48	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/14 16:00	04/07/14 13:48	1
Chromium	0.10		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:48	1
Cobalt	0.036		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:48	1
Copper	0.16	B	0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:48	1
Iron	92		0.20	0.20	mg/L		04/04/14 16:00	04/07/14 13:48	1
Lead	0.098		0.0075	0.0075	mg/L		04/04/14 16:00	04/07/14 13:48	1
Manganese	0.56	B	0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:48	1
Nickel	0.11		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:48	1
Selenium	<0.050		0.050	0.010	mg/L		04/04/14 16:00	04/07/14 13:48	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74266-1

Client Sample ID: ID-2(0-5)-040114
Date Collected: 04/01/14 15:00
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-9
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 13:48	1
Zinc	**0.38**	**B**	0.10	0.020	mg/L		04/04/14 16:00	04/07/14 13:48	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.55**	**J**	1.1	0.43	mg/Kg	☼	04/03/14 08:00	04/04/14 05:12	1
Arsenic	**9.0**		0.54	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 05:12	1
Barium	**43**		0.54	0.058	mg/Kg	☼	04/03/14 08:00	04/04/14 05:12	1
Beryllium	**0.45**		0.22	0.043	mg/Kg	☼	04/03/14 08:00	04/04/14 05:12	1
Cadmium	**0.65**		0.11	0.014	mg/Kg	☼	04/03/14 08:00	04/04/14 05:12	1
Calcium	**83000**	**B**	110	29	mg/Kg	☼	04/03/14 08:00	04/05/14 04:28	10
Chromium	**13**		0.54	0.063	mg/Kg	☼	04/03/14 08:00	04/04/14 05:12	1
Cobalt	**8.4**		0.27	0.054	mg/Kg	☼	04/03/14 08:00	04/04/14 05:12	1
Copper	**26**		0.54	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 05:12	1
Iron	**17000**		11	4.4	mg/Kg	☼	04/03/14 08:00	04/04/14 05:12	1
Lead	**20**	**B**	0.27	0.080	mg/Kg	☼	04/03/14 08:00	04/04/14 05:12	1
Magnesium	**36000**	**B**	5.4	1.1	mg/Kg	☼	04/03/14 08:00	04/04/14 05:12	1
Manganese	**260**		0.54	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 05:12	1
Nickel	**21**	**^**	0.54	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 05:12	1
Potassium	**2200**		27	1.6	mg/Kg	☼	04/03/14 08:00	04/04/14 05:12	1
Selenium	<0.54		0.54	0.19	mg/Kg	☼	04/03/14 08:00	04/04/14 05:12	1
Silver	**0.046**	**J**	0.27	0.020	mg/Kg	☼	04/03/14 08:00	04/04/14 05:12	1
Sodium	**1200**		54	7.2	mg/Kg	☼	04/03/14 08:00	04/04/14 05:12	1
Thallium	<0.54		0.54	0.23	mg/Kg	☼	04/03/14 08:00	04/04/14 05:12	1
Vanadium	**18**		0.27	0.040	mg/Kg	☼	04/03/14 08:00	04/04/14 05:12	1
Zinc	**41**		1.1	0.22	mg/Kg	☼	04/03/14 08:00	04/04/14 05:12	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 09:44	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.18**	**J B**	0.20	0.020	ug/L		04/04/14 15:00	04/07/14 12:00	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**31**		19	7.3	ug/Kg	☼	04/03/14 12:22	04/04/14 09:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.72**		0.200	0.200	SU			04/07/14 13:07	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74266-1

Client Sample ID: ID-2(5-9)-040114
Date Collected: 04/01/14 15:05
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-10
Matrix: Solid
Percent Solids: 84.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<5.9		5.9	2.5	ug/Kg	☼		04/03/14 15:04	1
Benzene	<5.9		5.9	0.81	ug/Kg	☼		04/03/14 15:04	1
Bromodichloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/03/14 15:04	1
Bromoform	<5.9		5.9	1.4	ug/Kg	☼		04/03/14 15:04	1
Bromomethane	<5.9		5.9	1.8	ug/Kg	☼		04/03/14 15:04	1
Carbon disulfide	<5.9		5.9	0.88	ug/Kg	☼		04/03/14 15:04	1
Carbon tetrachloride	<5.9		5.9	1.1	ug/Kg	☼		04/03/14 15:04	1
Chlorobenzene	<5.9		5.9	0.60	ug/Kg	☼		04/03/14 15:04	1
Chloroethane	<5.9		5.9	1.6	ug/Kg	☼		04/03/14 15:04	1
Chloroform	<5.9		5.9	0.68	ug/Kg	☼		04/03/14 15:04	1
Chloromethane	<5.9		5.9	1.2	ug/Kg	☼		04/03/14 15:04	1
cis-1,2-Dichloroethene	<5.9		5.9	0.83	ug/Kg	☼		04/03/14 15:04	1
cis-1,3-Dichloropropene	<5.9		5.9	0.77	ug/Kg	☼		04/03/14 15:04	1
Dibromochloromethane	<5.9		5.9	1.0	ug/Kg	☼		04/03/14 15:04	1
1,1-Dichloroethane	<5.9		5.9	0.93	ug/Kg	☼		04/03/14 15:04	1
1,2-Dichloroethane	<5.9		5.9	0.87	ug/Kg	☼		04/03/14 15:04	1
1,1-Dichloroethene	<5.9		5.9	0.95	ug/Kg	☼		04/03/14 15:04	1
1,2-Dichloropropane	<5.9		5.9	0.89	ug/Kg	☼		04/03/14 15:04	1
1,3-Dichloropropene, Total	<5.9		5.9	0.77	ug/Kg	☼		04/03/14 15:04	1
Ethylbenzene	<5.9		5.9	1.2	ug/Kg	☼		04/03/14 15:04	1
2-Hexanone	<5.9		5.9	1.7	ug/Kg	☼		04/03/14 15:04	1
Methylene Chloride	<5.9		5.9	1.6	ug/Kg	☼		04/03/14 15:04	1
Methyl Ethyl Ketone	<5.9		5.9	2.1	ug/Kg	☼		04/03/14 15:04	1
methyl isobutyl ketone	<5.9		5.9	1.5	ug/Kg	☼		04/03/14 15:04	1
Methyl tert-butyl ether	<5.9		5.9	0.97	ug/Kg	☼		04/03/14 15:04	1
Styrene	<5.9		5.9	0.77	ug/Kg	☼		04/03/14 15:04	1
1,1,2,2-Tetrachloroethane	<5.9		5.9	1.2	ug/Kg	☼		04/03/14 15:04	1
Tetrachloroethene	<5.9		5.9	0.90	ug/Kg	☼		04/03/14 15:04	1
Toluene	<5.9		5.9	0.82	ug/Kg	☼		04/03/14 15:04	1
trans-1,2-Dichloroethene	<5.9		5.9	0.81	ug/Kg	☼		04/03/14 15:04	1
trans-1,3-Dichloropropene	<5.9		5.9	1.1	ug/Kg	☼		04/03/14 15:04	1
1,1,1-Trichloroethane	<5.9		5.9	0.88	ug/Kg	☼		04/03/14 15:04	1
1,1,2-Trichloroethane	<5.9		5.9	0.80	ug/Kg	☼		04/03/14 15:04	1
Trichloroethene	<5.9		5.9	0.97	ug/Kg	☼		04/03/14 15:04	1
Vinyl chloride	<5.9		5.9	1.2	ug/Kg	☼		04/03/14 15:04	1
Xylenes, Total	<12		12	0.53	ug/Kg	☼		04/03/14 15:04	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 122*		*04/03/14 15:04*	*1*
Dibromofluoromethane	*112*		*75 - 120*		*04/03/14 15:04*	*1*
1,2-Dichloroethane-d4 (Surr)	*95*		*70 - 134*		*04/03/14 15:04*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*04/03/14 15:04*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	42	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74266-1

Client Sample ID: ID-2(5-9)-040114
Date Collected: 04/01/14 15:05
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-10
Matrix: Solid
Percent Solids: 84.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
2,4-Dichlorophenol	<380		380	92	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
2-Methylnaphthalene	**26**	**J**	38	7.1	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
2-Methylphenol	<190		190	62	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Acenaphthene	**37**	**J**	38	6.9	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Acenaphthylene	**10**	**J**	38	5.1	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Anthracene	**110**		38	6.4	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Benzo[a]anthracene	**210**		38	5.2	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Benzo[a]pyrene	**170**		38	7.5	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Benzo[b]fluoranthene	**210**		38	8.3	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Benzo[g,h,i]perylene	**110**		38	12	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Benzo[k]fluoranthene	**100**		38	11	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Carbazole	<190		190	100	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Chrysene	**240**		38	11	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Dibenz(a,h)anthracene	**43**		38	7.5	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Dibenzofuran	<190		190	45	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Fluoranthene	**540**		38	7.2	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Fluorene	**61**		38	5.4	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Hexachlorobutadiene	<190		190	61	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Hexachloroethane	<190		190	59	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74266-1

Client Sample ID: ID-2(5-9)-040114
Date Collected: 04/01/14 15:05
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-10
Matrix: Solid
Percent Solids: 84.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	89		38	10	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Isophorone	<190		190	43	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Naphthalene	22	J	38	5.9	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
N-Nitrosodiphenylamine	<190		190	46	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Phenanthrene	410		38	5.4	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Phenol	<190		190	86	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1
Pyrene	470		38	7.7	ug/Kg	☼	04/03/14 18:14	04/04/14 20:40	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*41*		*35 - 137*	*04/03/14 18:14*	*04/04/14 20:40*	*1*
2-Fluorobiphenyl	*29*		*25 - 119*	*04/03/14 18:14*	*04/04/14 20:40*	*1*
2-Fluorophenol	*31*		*25 - 110*	*04/03/14 18:14*	*04/04/14 20:40*	*1*
Nitrobenzene-d5	*30*		*25 - 115*	*04/03/14 18:14*	*04/04/14 20:40*	*1*
Phenol-d5	*29*	*X*	*31 - 110*	*04/03/14 18:14*	*04/04/14 20:40*	*1*
Terphenyl-d14	*58*		*36 - 134*	*04/03/14 18:14*	*04/04/14 20:40*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/08/14 02:58	1
Barium	0.60		0.50	0.050	mg/L		04/07/14 07:30	04/08/14 02:58	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 07:30	04/08/14 02:58	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 07:30	04/08/14 02:58	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:58	1
Cobalt	0.019	J	0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:58	1
Copper	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:58	1
Iron	<0.20		0.20	0.20	mg/L		04/07/14 07:30	04/08/14 02:58	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/07/14 07:30	04/08/14 02:58	1
Manganese	2.8		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 13:09	1
Nickel	0.034		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:58	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/08/14 02:58	1
Silver	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 02:58	1
Zinc	0.062	J	0.10	0.020	mg/L		04/07/14 07:30	04/08/14 02:58	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/14 16:00	04/07/14 14:00	1
Barium	0.28	J B	0.50	0.050	mg/L		04/04/14 16:00	04/07/14 14:00	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/14 16:00	04/07/14 14:00	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/14 16:00	04/07/14 14:00	1
Chromium	0.029		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 14:00	1
Cobalt	<0.025		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 14:00	1
Copper	0.044	B	0.025	0.010	mg/L		04/04/14 16:00	04/07/14 14:00	1
Iron	21		0.20	0.20	mg/L		04/04/14 16:00	04/07/14 14:00	1
Lead	0.011		0.0075	0.0075	mg/L		04/04/14 16:00	04/07/14 14:00	1
Manganese	0.20	B	0.025	0.010	mg/L		04/04/14 16:00	04/07/14 14:00	1
Nickel	0.026		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 14:00	1
Selenium	<0.050		0.050	0.010	mg/L		04/04/14 16:00	04/07/14 14:00	1

Client Sample ID: ID-2(5-9)-040114
Date Collected: 04/01/14 15:05
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-10
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 14:00	1
Zinc	**0.21**	**B**	0.10	0.020	mg/L		04/04/14 16:00	04/07/14 14:00	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.49**	**J**	1.1	0.46	mg/Kg	☼	04/03/14 08:00	04/04/14 05:18	1
Arsenic	**7.0**		0.57	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 05:18	1
Barium	**54**		0.57	0.061	mg/Kg	☼	04/03/14 08:00	04/04/14 05:18	1
Beryllium	**0.56**		0.23	0.046	mg/Kg	☼	04/03/14 08:00	04/04/14 05:18	1
Cadmium	**0.59**		0.11	0.015	mg/Kg	☼	04/03/14 08:00	04/04/14 05:18	1
Calcium	**48000**	**B**	11	3.1	mg/Kg	☼	04/03/14 08:00	04/04/14 05:18	1
Chromium	**18**		0.57	0.066	mg/Kg	☼	04/03/14 08:00	04/04/14 05:18	1
Cobalt	**9.8**		0.29	0.057	mg/Kg	☼	04/03/14 08:00	04/04/14 05:18	1
Copper	**81**		0.57	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 05:18	1
Iron	**19000**		11	4.7	mg/Kg	☼	04/03/14 08:00	04/04/14 05:18	1
Lead	**13**	**B**	0.29	0.085	mg/Kg	☼	04/03/14 08:00	04/04/14 05:18	1
Magnesium	**24000**	**B**	5.7	1.2	mg/Kg	☼	04/03/14 08:00	04/04/14 05:18	1
Manganese	**360**		0.57	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 05:18	1
Nickel	**27**	**^**	0.57	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 05:18	1
Potassium	**3400**		29	1.7	mg/Kg	☼	04/03/14 08:00	04/04/14 05:18	1
Selenium	<0.57		0.57	0.20	mg/Kg	☼	04/03/14 08:00	04/04/14 05:18	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	04/03/14 08:00	04/04/14 05:18	1
Sodium	**660**		57	7.7	mg/Kg	☼	04/03/14 08:00	04/04/14 05:18	1
Thallium	**0.43**	**J**	0.57	0.24	mg/Kg	☼	04/03/14 08:00	04/04/14 05:18	1
Vanadium	**19**		0.29	0.042	mg/Kg	☼	04/03/14 08:00	04/04/14 05:18	1
Zinc	**39**		1.1	0.23	mg/Kg	☼	04/03/14 08:00	04/04/14 05:18	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 09:46	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.052**	**J B**	0.20	0.020	ug/L		04/04/14 15:00	04/07/14 12:02	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**21**		19	7.4	ug/Kg	☼	04/03/14 12:22	04/04/14 09:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.06**		0.200	0.200	SU			04/07/14 13:10	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74266-1

Client Sample ID: ID-6(0-5)-040114
Date Collected: 04/01/14 15:15
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-11
Matrix: Solid
Percent Solids: 81.9

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.1		6.1	2.6	ug/Kg	☼		04/04/14 12:39	1
Benzene	<6.1		6.1	0.84	ug/Kg	☼		04/04/14 12:39	1
Bromodichloromethane	<6.1		6.1	1.1	ug/Kg	☼		04/04/14 12:39	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		04/04/14 12:39	1
Bromomethane	<6.1		6.1	1.8	ug/Kg	☼		04/04/14 12:39	1
Carbon disulfide	<6.1		6.1	0.91	ug/Kg	☼		04/04/14 12:39	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		04/04/14 12:39	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		04/04/14 12:39	1
Chloroethane	<6.1		6.1	1.7	ug/Kg	☼		04/04/14 12:39	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		04/04/14 12:39	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		04/04/14 12:39	1
cis-1,2-Dichloroethene	<6.1		6.1	0.86	ug/Kg	☼		04/04/14 12:39	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		04/04/14 12:39	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		04/04/14 12:39	1
1,1-Dichloroethane	<6.1		6.1	0.97	ug/Kg	☼		04/04/14 12:39	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		04/04/14 12:39	1
1,1-Dichloroethene	<6.1		6.1	0.99	ug/Kg	☼		04/04/14 12:39	1
1,2-Dichloropropane	<6.1		6.1	0.93	ug/Kg	☼		04/04/14 12:39	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		04/04/14 12:39	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		04/04/14 12:39	1
2-Hexanone	<6.1		6.1	1.8	ug/Kg	☼		04/04/14 12:39	1
Methylene Chloride	<6.1		6.1	1.6	ug/Kg	☼		04/04/14 12:39	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		04/04/14 12:39	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		04/04/14 12:39	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		04/04/14 12:39	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		04/04/14 12:39	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		04/04/14 12:39	1
Tetrachloroethene	<6.1		6.1	0.93	ug/Kg	☼		04/04/14 12:39	1
Toluene	<6.1		6.1	0.85	ug/Kg	☼		04/04/14 12:39	1
trans-1,2-Dichloroethene	<6.1		6.1	0.84	ug/Kg	☼		04/04/14 12:39	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		04/04/14 12:39	1
1,1,1-Trichloroethane	<6.1		6.1	0.91	ug/Kg	☼		04/04/14 12:39	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		04/04/14 12:39	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		04/04/14 12:39	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		04/04/14 12:39	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		04/04/14 12:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*116*		*70 - 122*		*04/04/14 12:39*	*1*
Dibromofluoromethane	*111*		*75 - 120*		*04/04/14 12:39*	*1*
1,2-Dichloroethane-d4 (Surr)	*105*		*70 - 134*		*04/04/14 12:39*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*04/04/14 12:39*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74266-1

Client Sample ID: ID-6(0-5)-040114
Date Collected: 04/01/14 15:15
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-11
Matrix: Solid
Percent Solids: 81.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
2-Methylnaphthalene	<40		40	7.4	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
2-Methylphenol	<200		200	64	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Anthracene	<40		40	6.7	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Benzo[a]anthracene	**29**	**J**	40	5.4	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Benzo[a]pyrene	**47**		40	7.8	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Benzo[b]fluoranthene	**47**		40	8.7	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Benzo[g,h,i]perylene	**33**	**J**	40	13	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Benzo[k]fluoranthene	**26**	**J**	40	12	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Carbazole	<200		200	100	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Chrysene	**45**		40	11	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Dibenz(a,h)anthracene	**26**	**J**	40	7.8	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Dibenzofuran	<200		200	47	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Fluoranthene	**69**		40	7.4	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Fluorene	<40		40	5.6	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Hexachloroethane	<200		200	61	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1

Client Sample ID: ID-6(0-5)-040114
Date Collected: 04/01/14 15:15
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-11
Matrix: Solid
Percent Solids: 81.9

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	30	J	40	10	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Isophorone	<200		200	45	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Naphthalene	<40		40	6.2	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Nitrobenzene	<40		40	10	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Phenanthrene	46		40	5.6	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Phenol	<200		200	89	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1
Pyrene	72		40	8.0	ug/Kg	☼	04/03/14 18:14	04/04/14 21:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*58*		*35 - 137*	*04/03/14 18:14*	*04/04/14 21:00*	*1*
2-Fluorobiphenyl	*47*		*25 - 119*	*04/03/14 18:14*	*04/04/14 21:00*	*1*
2-Fluorophenol	*46*		*25 - 110*	*04/03/14 18:14*	*04/04/14 21:00*	*1*
Nitrobenzene-d5	*43*		*25 - 115*	*04/03/14 18:14*	*04/04/14 21:00*	*1*
Phenol-d5	*43*		*31 - 110*	*04/03/14 18:14*	*04/04/14 21:00*	*1*
Terphenyl-d14	*89*		*36 - 134*	*04/03/14 18:14*	*04/04/14 21:00*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/08/14 03:03	1
Barium	0.72		0.50	0.050	mg/L		04/07/14 07:30	04/08/14 03:03	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 07:30	04/08/14 03:03	1
Cadmium	0.0020	J	0.0050	0.0020	mg/L		04/07/14 07:30	04/08/14 03:03	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 03:03	1
Cobalt	0.023	J	0.025	0.010	mg/L		04/07/14 07:30	04/08/14 03:03	1
Copper	0.016	J	0.025	0.010	mg/L		04/07/14 07:30	04/08/14 03:03	1
Iron	<0.20		0.20	0.20	mg/L		04/07/14 07:30	04/08/14 03:03	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/07/14 07:30	04/08/14 03:03	1
Manganese	3.5		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 13:15	1
Nickel	0.040		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 03:03	1
Selenium	0.012	J	0.050	0.010	mg/L		04/07/14 07:30	04/08/14 03:03	1
Silver	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 03:03	1
Zinc	0.25		0.10	0.020	mg/L		04/07/14 07:30	04/08/14 03:03	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.020	J	0.050	0.010	mg/L		04/04/14 16:00	04/07/14 14:04	1
Barium	0.42	J B	0.50	0.050	mg/L		04/04/14 16:00	04/07/14 14:04	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/14 16:00	04/07/14 14:04	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/14 16:00	04/07/14 14:04	1
Chromium	0.062		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 14:04	1
Cobalt	0.018	J	0.025	0.010	mg/L		04/04/14 16:00	04/07/14 14:04	1
Copper	0.092	B	0.025	0.010	mg/L		04/04/14 16:00	04/07/14 14:04	1
Iron	55		0.20	0.20	mg/L		04/04/14 16:00	04/07/14 14:04	1
Lead	0.037		0.0075	0.0075	mg/L		04/04/14 16:00	04/07/14 14:04	1
Manganese	0.29	B	0.025	0.010	mg/L		04/04/14 16:00	04/07/14 14:04	1
Nickel	0.068		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 14:04	1
Selenium	<0.050		0.050	0.010	mg/L		04/04/14 16:00	04/07/14 14:04	1

Client Sample ID: ID-6(0-5)-040114
Date Collected: 04/01/14 15:15
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-11
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 14:04	1
Zinc	**0.29**	**B**	0.10	0.020	mg/L		04/04/14 16:00	04/07/14 14:04	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.55**	**J**	1.1	0.45	mg/Kg	☼	04/03/14 08:00	04/04/14 05:24	1
Arsenic	**8.6**		0.57	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 05:24	1
Barium	**59**		0.57	0.060	mg/Kg	☼	04/03/14 08:00	04/04/14 05:24	1
Beryllium	**0.59**		0.23	0.045	mg/Kg	☼	04/03/14 08:00	04/04/14 05:24	1
Cadmium	**0.70**		0.11	0.014	mg/Kg	☼	04/03/14 08:00	04/04/14 05:24	1
Calcium	**55000**	**B**	11	3.1	mg/Kg	☼	04/03/14 08:00	04/04/14 05:24	1
Chromium	**17**		0.57	0.066	mg/Kg	☼	04/03/14 08:00	04/04/14 05:24	1
Cobalt	**9.9**		0.28	0.057	mg/Kg	☼	04/03/14 08:00	04/04/14 05:24	1
Copper	**27**		0.57	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 05:24	1
Iron	**20000**		11	4.6	mg/Kg	☼	04/03/14 08:00	04/04/14 05:24	1
Lead	**15**	**B**	0.28	0.084	mg/Kg	☼	04/03/14 08:00	04/04/14 05:24	1
Magnesium	**27000**	**B**	5.7	1.2	mg/Kg	☼	04/03/14 08:00	04/04/14 05:24	1
Manganese	**340**		0.57	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 05:24	1
Nickel	**26**	**^**	0.57	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 05:24	1
Potassium	**2900**		28	1.7	mg/Kg	☼	04/03/14 08:00	04/04/14 05:24	1
Selenium	<0.57		0.57	0.20	mg/Kg	☼	04/03/14 08:00	04/04/14 05:24	1
Silver	<0.28		0.28	0.020	mg/Kg	☼	04/03/14 08:00	04/04/14 05:24	1
Sodium	**1500**		57	7.6	mg/Kg	☼	04/03/14 08:00	04/04/14 05:24	1
Thallium	<0.57		0.57	0.24	mg/Kg	☼	04/03/14 08:00	04/04/14 05:24	1
Vanadium	**23**		0.28	0.042	mg/Kg	☼	04/03/14 08:00	04/04/14 05:24	1
Zinc	**42**		1.1	0.23	mg/Kg	☼	04/03/14 08:00	04/04/14 05:24	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 09:48	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.12**	**J B**	0.20	0.020	ug/L		04/04/14 15:00	04/07/14 12:04	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**25**		18	6.9	ug/Kg	☼	04/03/14 12:22	04/04/14 09:35	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.56**		0.200	0.200	SU			04/07/14 13:12	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74266-1

Client Sample ID: ID-6(5-9)-040114
Date Collected: 04/01/14 15:20
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-12
Matrix: Solid
Percent Solids: 83.7

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<6.0		6.0	2.6	ug/Kg	☼		04/04/14 13:02	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		04/04/14 13:02	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/04/14 13:02	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		04/04/14 13:02	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		04/04/14 13:02	1
Carbon disulfide	<6.0		6.0	0.89	ug/Kg	☼		04/04/14 13:02	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		04/04/14 13:02	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		04/04/14 13:02	1
Chloroethane	<6.0		6.0	1.6	ug/Kg	☼		04/04/14 13:02	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		04/04/14 13:02	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		04/04/14 13:02	1
cis-1,2-Dichloroethene	<6.0		6.0	0.84	ug/Kg	☼		04/04/14 13:02	1
cis-1,3-Dichloropropene	<6.0		6.0	0.78	ug/Kg	☼		04/04/14 13:02	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/04/14 13:02	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		04/04/14 13:02	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/04/14 13:02	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		04/04/14 13:02	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		04/04/14 13:02	1
1,3-Dichloropropene, Total	<6.0		6.0	0.78	ug/Kg	☼		04/04/14 13:02	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		04/04/14 13:02	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		04/04/14 13:02	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		04/04/14 13:02	1
Methyl Ethyl Ketone	<6.0		6.0	2.2	ug/Kg	☼		04/04/14 13:02	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		04/04/14 13:02	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		04/04/14 13:02	1
Styrene	<6.0		6.0	0.78	ug/Kg	☼		04/04/14 13:02	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/04/14 13:02	1
Tetrachloroethene	<6.0		6.0	0.91	ug/Kg	☼		04/04/14 13:02	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		04/04/14 13:02	1
trans-1,2-Dichloroethene	<6.0		6.0	0.82	ug/Kg	☼		04/04/14 13:02	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		04/04/14 13:02	1
1,1,1-Trichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/04/14 13:02	1
1,1,2-Trichloroethane	<6.0		6.0	0.81	ug/Kg	☼		04/04/14 13:02	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		04/04/14 13:02	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		04/04/14 13:02	1
Xylenes, Total	<12		12	0.54	ug/Kg	☼		04/04/14 13:02	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*115*		*70 - 122*		*04/04/14 13:02*	*1*
Dibromofluoromethane	*110*		*75 - 120*		*04/04/14 13:02*	*1*
1,2-Dichloroethane-d4 (Surr)	*96*		*70 - 134*		*04/04/14 13:02*	*1*
Toluene-d8 (Surr)	*100*		*75 - 122*		*04/04/14 13:02*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<190		190	41	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
1,2-Dichlorobenzene	<190		190	46	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
1,3-Dichlorobenzene	<190		190	43	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
1,4-Dichlorobenzene	<190		190	49	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
2,2'-oxybis[1-chloropropane]	<190		190	45	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74266-1

Client Sample ID: ID-6(5-9)-040114
Date Collected: 04/01/14 15:20
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-12
Matrix: Solid
Percent Solids: 83.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<380		380	88	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
2,4,6-Trichlorophenol	<380		380	130	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
2,4-Dichlorophenol	<380		380	91	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
2,4-Dimethylphenol	<380		380	150	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
2,4-Dinitrophenol	<780		780	680	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
2,4-Dinitrotoluene	<190		190	61	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
2,6-Dinitrotoluene	<190		190	76	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
2-Chloronaphthalene	<190		190	43	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
2-Chlorophenol	<190		190	66	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
2-Methylnaphthalene	<38		38	7.1	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
2-Methylphenol	<190		190	62	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
2-Nitroaniline	<190		190	52	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
2-Nitrophenol	<380		380	91	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
3 & 4 Methylphenol	<190		190	64	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
3,3'-Dichlorobenzidine	<190		190	54	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
3-Nitroaniline	<380		380	120	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
4,6-Dinitro-2-methylphenol	<380		380	310	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
4-Bromophenyl phenyl ether	<190		190	51	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
4-Chloro-3-methylphenol	<380		380	130	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
4-Chloroaniline	<780		780	180	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
4-Chlorophenyl phenyl ether	<190		190	45	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
4-Nitroaniline	<380		380	160	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
4-Nitrophenol	<780		780	370	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Acenaphthene	<38		38	6.9	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Acenaphthylene	<38		38	5.1	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Anthracene	<38		38	6.4	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Benzo[a]anthracene	<38		38	5.2	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Benzo[a]pyrene	<38		38	7.4	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Benzo[b]fluoranthene	<38		38	8.3	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Benzo[g,h,i]perylene	**17**	**J**	38	12	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Benzo[k]fluoranthene	<38		38	11	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Bis(2-chloroethoxy)methane	<190		190	39	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Bis(2-chloroethyl)ether	<190		190	58	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Bis(2-ethylhexyl) phthalate	<190		190	70	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Butyl benzyl phthalate	<190		190	73	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Carbazole	<190		190	99	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Chrysene	<38		38	10	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Dibenz(a,h)anthracene	<38		38	7.4	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Dibenzofuran	<190		190	45	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Diethyl phthalate	<190		190	65	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Dimethyl phthalate	<190		190	50	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Di-n-butyl phthalate	<190		190	59	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Di-n-octyl phthalate	<190		190	63	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Fluoranthene	<38		38	7.1	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Fluorene	<38		38	5.4	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Hexachlorobenzene	<78		78	8.9	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Hexachlorobutadiene	<190		190	60	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Hexachlorocyclopentadiene	<780		780	220	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Hexachloroethane	<190		190	59	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1

Client Sample ID: ID-6(5-9)-040114
Date Collected: 04/01/14 15:20
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-12
Matrix: Solid
Percent Solids: 83.7

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	**20**	**J**	38	10	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Isophorone	<190		190	43	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Naphthalene	<38		38	5.9	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Nitrobenzene	<38		38	9.6	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
N-Nitrosodi-n-propylamine	<190		190	47	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
N-Nitrosodiphenylamine	<190		190	45	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Pentachlorophenol	<780		780	620	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Phenanthrene	**14**	**J**	38	5.4	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Phenol	<190		190	86	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1
Pyrene	<38		38	7.6	ug/Kg	☼	04/03/14 18:14	04/04/14 21:20	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*42*		*35 - 137*	*04/03/14 18:14*	*04/04/14 21:20*	*1*
2-Fluorobiphenyl	*31*		*25 - 119*	*04/03/14 18:14*	*04/04/14 21:20*	*1*
2-Fluorophenol	*34*		*25 - 110*	*04/03/14 18:14*	*04/04/14 21:20*	*1*
Nitrobenzene-d5	*27*		*25 - 115*	*04/03/14 18:14*	*04/04/14 21:20*	*1*
Phenol-d5	*32*		*31 - 110*	*04/03/14 18:14*	*04/04/14 21:20*	*1*
Terphenyl-d14	*73*		*36 - 134*	*04/03/14 18:14*	*04/04/14 21:20*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 07:30	04/08/14 03:09	1
Barium	**0.61**		0.50	0.050	mg/L		04/07/14 07:30	04/08/14 03:09	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 07:30	04/08/14 03:09	1
Cadmium	**0.0025**	**J**	0.0050	0.0020	mg/L		04/07/14 07:30	04/08/14 03:09	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 03:09	1
Cobalt	**0.039**		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 03:09	1
Copper	**0.018**	**J**	0.025	0.010	mg/L		04/07/14 07:30	04/08/14 03:09	1
Iron	**0.22**		0.20	0.20	mg/L		04/07/14 07:30	04/08/14 03:09	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/07/14 07:30	04/08/14 03:09	1
Manganese	**4.4**		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 13:20	1
Nickel	**0.043**		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 03:09	1
Selenium	**0.015**	**J**	0.050	0.010	mg/L		04/07/14 07:30	04/08/14 03:09	1
Silver	<0.025		0.025	0.010	mg/L		04/07/14 07:30	04/08/14 03:09	1
Zinc	**0.21**		0.10	0.020	mg/L		04/07/14 07:30	04/08/14 03:09	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/14 16:00	04/07/14 14:08	1
Barium	**0.23**	**J B**	0.50	0.050	mg/L		04/04/14 16:00	04/07/14 14:08	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/14 16:00	04/07/14 14:08	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/14 16:00	04/07/14 14:08	1
Chromium	**0.017**	**J**	0.025	0.010	mg/L		04/04/14 16:00	04/07/14 14:08	1
Cobalt	<0.025		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 14:08	1
Copper	**0.030**	**B**	0.025	0.010	mg/L		04/04/14 16:00	04/07/14 14:08	1
Iron	**9.8**		0.20	0.20	mg/L		04/04/14 16:00	04/07/14 14:08	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/04/14 16:00	04/07/14 14:08	1
Manganese	**0.17**	**B**	0.025	0.010	mg/L		04/04/14 16:00	04/07/14 14:08	1
Nickel	**0.015**	**J**	0.025	0.010	mg/L		04/04/14 16:00	04/07/14 14:08	1
Selenium	<0.050		0.050	0.010	mg/L		04/04/14 16:00	04/07/14 14:08	1

Client Sample ID: ID-6(5-9)-040114
Date Collected: 04/01/14 15:20
Date Received: 04/01/14 15:46

Lab Sample ID: 500-74266-12
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/04/14 16:00	04/07/14 14:08	1
Zinc	**0.15**	**B**	0.10	0.020	mg/L		04/04/14 16:00	04/07/14 14:08	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.1		1.1	0.44	mg/Kg	☼	04/03/14 08:00	04/04/14 05:30	1
Arsenic	**8.4**		0.55	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 05:30	1
Barium	**55**		0.55	0.059	mg/Kg	☼	04/03/14 08:00	04/04/14 05:30	1
Beryllium	**0.57**		0.22	0.044	mg/Kg	☼	04/03/14 08:00	04/04/14 05:30	1
Cadmium	**0.64**		0.11	0.014	mg/Kg	☼	04/03/14 08:00	04/04/14 05:30	1
Calcium	**52000**	**B**	11	3.0	mg/Kg	☼	04/03/14 08:00	04/04/14 05:30	1
Chromium	**19**		0.55	0.064	mg/Kg	☼	04/03/14 08:00	04/04/14 05:30	1
Cobalt	**9.1**		0.28	0.055	mg/Kg	☼	04/03/14 08:00	04/04/14 05:30	1
Copper	**24**		0.55	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 05:30	1
Iron	**20000**		11	4.5	mg/Kg	☼	04/03/14 08:00	04/04/14 05:30	1
Lead	**10**	**B**	0.28	0.082	mg/Kg	☼	04/03/14 08:00	04/04/14 05:30	1
Magnesium	**25000**	**B**	5.5	1.1	mg/Kg	☼	04/03/14 08:00	04/04/14 05:30	1
Manganese	**310**		0.55	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 05:30	1
Nickel	**26**	**^**	0.55	0.11	mg/Kg	☼	04/03/14 08:00	04/04/14 05:30	1
Potassium	**3400**		28	1.7	mg/Kg	☼	04/03/14 08:00	04/04/14 05:30	1
Selenium	<0.55		0.55	0.20	mg/Kg	☼	04/03/14 08:00	04/04/14 05:30	1
Silver	<0.28		0.28	0.020	mg/Kg	☼	04/03/14 08:00	04/04/14 05:30	1
Sodium	**650**		55	7.4	mg/Kg	☼	04/03/14 08:00	04/04/14 05:30	1
Thallium	<0.55		0.55	0.23	mg/Kg	☼	04/03/14 08:00	04/04/14 05:30	1
Vanadium	**21**		0.28	0.041	mg/Kg	☼	04/03/14 08:00	04/04/14 05:30	1
Zinc	**41**		1.1	0.22	mg/Kg	☼	04/03/14 08:00	04/04/14 05:30	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 09:50	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.042**	**J B**	0.20	0.020	ug/L		04/04/14 15:00	04/07/14 12:06	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**28**		19	7.4	ug/Kg	☼	04/03/14 12:22	04/04/14 09:37	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.12**		0.200	0.200	SU			04/07/14 13:15	1

Qualifiers

GC/MS Semi VOA

Qualifier	Qualifier Description
X	Surrogate is outside control limits
F1	MS and/or MSD Recovery exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F2	MS/MSD RPD exceeds control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74266-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-14 *

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

* Expired certification is currently pending renewal and is considered valid.

TestAmerica
THE LEADER IN ENVIRONMEN

2417 Bond Street, University Park, Il
Phone: 708.534.5200 Fax: 708.

500-74266 COC

(optional)

Report To
Contact: S. BabusuKumar
Company: Weston Solutions Inc
Address: 750 E Bunker Ct. Ste. 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax: 847-918-4055
E-Mail:

(optional)

Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74266

Chain of Custody Number:

Page 3 of 3

Temperature °C of Cooler: 3.5

Client: Weston Solutions Inc
Client Project #:
Project Name: IDOT 050 - IL 171 From 47th St to 55th St
Project Location/State: McCook/Summit, IL
Lab Project #:
Sampler: M. Doherty-Skubic
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	VOCs	SVOCs	Total Metals	TCLP SPLP Metals	pH	Comments
1		ID-7(0-5)-040114	4-1-14	1410	2	S	X	X	X	X	X	
2		IC-20(0-4)-040114	4-1-14	1455	2	S	X	X	X	X	X	
3		IC-16(0-4)-040114	4-1-14	1510	2	S	X	X	X	X	X	
4		IC-11(0-2)-040114	4-1-14	1525	2	S	X	X	X	X	X	

mrs

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston	4-1-14	1540	[signature]	TA	4/1/14	1540
[signature]	TA	4/1/14	1650	[signature]	TA	4/2/14	0700
Relinquished By	Company	Date	Time	Received By	Company	Date	Time

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)
Report To
Contact: Sr. Babusukumar
Company: Weston
Address: 750 E. Bunker Court Suite 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax:
E-Mail:

(optional)
Bill To
Contact:
Company:
Address:
Address: SAMP
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74266
Chain of Custody Number:
Page 3 of 3
Temperature °C of Cooler:

Client: Weston
Client Project #:
Project Name: IDOT 050[redacted]
Project Location/State: McCook, IL
Lab Project #:
Sampler: Dan Cukierski
Lab PM:

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	Total Metals	TCLP Metals	#	Total Aluminum	PCBs			Comments
5		IC-3(5-9.5)-040114	4/1/14	1345	2	S		X	X	X	X	X		X			Time= 1345
6		IC-3(5-9.5)-040114D	4/1/14	1345	2	S		X	X	X	X	X		X			
7		ID-1 (0-5)-040114	4/1/14	1435	2	S		X	X	X	X	X					
8		ID-1 (5-9)-040114	4/1/14	1440	2	S		X	X	X	X	X					
9		ID-2 (0-5)-040114	4/1/14	1500	2	S		X	X	X	X	X					
10		ID-2 (5-9)-040114	4/1/14	1505	2	S		X	X	X	X	X					
11		ID-6 (0-5)-040114	4/1/14	1515	2	S		X	X	X	X	X					
12		ID-6 (5-9)-040114	4/1/14	1520	2	S		X	X	X	X	X					

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ____ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
	Weston	4/1/14	1529		TA	4/1/14	1538
	TA	4/1/14	1640		TA	4/2/14	0700

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
Wi – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TAL-4124 (1209)

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Chicago
2417 Bond Street
University Park, IL 60484
Tel: (708)534-5200

TestAmerica Job ID: 500-74263-1
Client Project/Site: IDOT - Lyons, McCook, Summit - 050

For:
Weston Solutions, Inc.
750 E. Bunker Court
Suite 500
Vernon Hills, Illinois 60061-1450

Attn: Mr. S. Babusukumar

Authorized for release by:
4/11/2014 10:44:47 AM

Richard Wright, Senior Project Manager
(708)534-5200
richard.wright@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: ID-3(0-5)-040114
Date Collected: 04/01/14 08:50
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-1
Matrix: Solid
Percent Solids: 82.4

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	14		6.1	2.6	ug/Kg	☼		04/02/14 12:58	1
Benzene	<6.1		6.1	0.83	ug/Kg	☼		04/02/14 12:58	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		04/02/14 12:58	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		04/02/14 12:58	1
Bromomethane	<6.1		6.1	1.8	ug/Kg	☼		04/02/14 12:58	1
Carbon disulfide	<6.1		6.1	0.91	ug/Kg	☼		04/02/14 12:58	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		04/02/14 12:58	1
Chlorobenzene	<6.1		6.1	0.62	ug/Kg	☼		04/02/14 12:58	1
Chloroethane	<6.1	*	6.1	1.7	ug/Kg	☼		04/02/14 12:58	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		04/02/14 12:58	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		04/02/14 12:58	1
cis-1,2-Dichloroethene	<6.1		6.1	0.86	ug/Kg	☼		04/02/14 12:58	1
cis-1,3-Dichloropropene	<6.1		6.1	0.80	ug/Kg	☼		04/02/14 12:58	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		04/02/14 12:58	1
1,1-Dichloroethane	<6.1		6.1	0.96	ug/Kg	☼		04/02/14 12:58	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		04/02/14 12:58	1
1,1-Dichloroethene	<6.1		6.1	0.98	ug/Kg	☼		04/02/14 12:58	1
1,2-Dichloropropane	<6.1		6.1	0.92	ug/Kg	☼		04/02/14 12:58	1
1,3-Dichloropropene, Total	<6.1		6.1	0.80	ug/Kg	☼		04/02/14 12:58	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		04/02/14 12:58	1
2-Hexanone	<6.1		6.1	1.7	ug/Kg	☼		04/02/14 12:58	1
Methylene Chloride	<6.1		6.1	1.6	ug/Kg	☼		04/02/14 12:58	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		04/02/14 12:58	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		04/02/14 12:58	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		04/02/14 12:58	1
Styrene	<6.1		6.1	0.80	ug/Kg	☼		04/02/14 12:58	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		04/02/14 12:58	1
Tetrachloroethene	<6.1		6.1	0.93	ug/Kg	☼		04/02/14 12:58	1
Toluene	<6.1		6.1	0.85	ug/Kg	☼		04/02/14 12:58	1
trans-1,2-Dichloroethene	<6.1		6.1	0.83	ug/Kg	☼		04/02/14 12:58	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		04/02/14 12:58	1
1,1,1-Trichloroethane	<6.1		6.1	0.91	ug/Kg	☼		04/02/14 12:58	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		04/02/14 12:58	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		04/02/14 12:58	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		04/02/14 12:58	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		04/02/14 12:58	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 122*		*04/02/14 12:58*	*1*
Dibromofluoromethane	*106*		*75 - 120*		*04/02/14 12:58*	*1*
1,2-Dichloroethane-d4 (Surr)	*104*		*70 - 134*		*04/02/14 12:58*	*1*
Toluene-d8 (Surr)	*99*		*75 - 122*		*04/02/14 12:58*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
1,4-Dichlorobenzene	<200		200	52	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
2,2'-oxybis[1-chloropropane]	<200		200	47	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: ID-3(0-5)-040114
Date Collected: 04/01/14 08:50
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-1
Matrix: Solid
Percent Solids: 82.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	92	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
2,4-Dinitrophenol	<810		810	710	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
2,4-Dinitrotoluene	<200		200	64	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
2-Chlorophenol	<200		200	69	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
2-Methylnaphthalene	**23**	**J**	40	7.4	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
2-Methylphenol	<200		200	64	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
2-Nitrophenol	<400		400	95	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Acenaphthene	<40		40	7.2	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Acenaphthylene	<40		40	5.3	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Anthracene	<40		40	6.7	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Benzo[a]anthracene	<40		40	5.4	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Benzo[a]pyrene	<40		40	7.8	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Benzo[b]fluoranthene	**15**	**J**	40	8.7	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Carbazole	<200		200	100	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Chrysene	**15**	**J**	40	11	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Dibenz(a,h)anthracene	<40		40	7.8	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Dibenzofuran	<200		200	47	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Di-n-octyl phthalate	<200		200	66	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Fluoranthene	**13**	**J**	40	7.5	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Fluorene	<40		40	5.6	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Hexachloroethane	<200		200	61	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: ID-3(0-5)-040114
Date Collected: 04/01/14 08:50
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-1
Matrix: Solid
Percent Solids: 82.4

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<40		40	10	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Isophorone	<200		200	45	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Naphthalene	<40		40	6.2	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Nitrobenzene	<40		40	10	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Phenanthrene	**25**	**J**	40	5.6	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Phenol	<200		200	89	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1
Pyrene	**17**	**J**	40	8.0	ug/Kg	☼	04/03/14 07:22	04/04/14 11:52	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*68*		*35 - 137*	*04/03/14 07:22*	*04/04/14 11:52*	*1*
2-Fluorobiphenyl	*63*		*25 - 119*	*04/03/14 07:22*	*04/04/14 11:52*	*1*
2-Fluorophenol	*47*		*25 - 110*	*04/03/14 07:22*	*04/04/14 11:52*	*1*
Nitrobenzene-d5	*50*		*25 - 115*	*04/03/14 07:22*	*04/04/14 11:52*	*1*
Phenol-d5	*55*		*31 - 110*	*04/03/14 07:22*	*04/04/14 11:52*	*1*
Terphenyl-d14	*80*		*36 - 134*	*04/03/14 07:22*	*04/04/14 11:52*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 16:40	1
Barium	**0.75**		0.50	0.050	mg/L		04/04/14 10:15	04/04/14 16:40	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/14 10:15	04/04/14 16:40	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/14 10:15	04/04/14 16:40	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 16:40	1
Cobalt	**0.014**	**J**	0.025	0.010	mg/L		04/04/14 10:15	04/04/14 16:40	1
Copper	**0.033**		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 16:40	1
Iron	**0.44**		0.20	0.20	mg/L		04/04/14 10:15	04/04/14 16:40	1
Lead	**0.0084**		0.0075	0.0075	mg/L		04/04/14 10:15	04/04/14 16:40	1
Manganese	**3.5**		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 16:40	1
Nickel	**0.013**	**J**	0.025	0.010	mg/L		04/04/14 10:15	04/04/14 16:40	1
Selenium	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 16:40	1
Silver	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 16:40	1
Zinc	**0.31**		0.10	0.020	mg/L		04/04/14 10:15	04/04/14 16:40	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/07/14 22:42	1
Barium	**0.35**	**J**	0.50	0.050	mg/L		04/07/14 09:00	04/07/14 22:42	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:00	04/07/14 22:42	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:00	04/07/14 22:42	1
Chromium	**0.011**	**J**	0.025	0.010	mg/L		04/07/14 09:00	04/07/14 22:42	1
Cobalt	**0.013**	**J**	0.025	0.010	mg/L		04/07/14 09:00	04/07/14 22:42	1
Copper	**0.039**		0.025	0.010	mg/L		04/07/14 09:00	04/07/14 22:42	1
Iron	**4.5**		0.20	0.20	mg/L		04/07/14 09:00	04/07/14 22:42	1
Lead	**0.025**		0.0075	0.0075	mg/L		04/07/14 09:00	04/07/14 22:42	1
Manganese	**1.0**		0.025	0.010	mg/L		04/07/14 09:00	04/07/14 22:42	1
Nickel	**0.015**	**J**	0.025	0.010	mg/L		04/07/14 09:00	04/07/14 22:42	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/07/14 22:42	1

Client Sample ID: ID-3(0-5)-040114
Date Collected: 04/01/14 08:50
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-1
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/07/14 22:42	1
Zinc	**0.31**		0.10	0.020	mg/L		04/07/14 09:00	04/07/14 22:42	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.69**	**J**	1.1	0.45	mg/Kg	☼	04/02/14 15:30	04/04/14 00:20	1
Arsenic	**8.6**		0.56	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 00:20	1
Barium	**64**		0.56	0.060	mg/Kg	☼	04/02/14 15:30	04/04/14 00:20	1
Beryllium	**0.67**		0.23	0.045	mg/Kg	☼	04/02/14 15:30	04/04/14 00:20	1
Cadmium	**0.87**		0.11	0.014	mg/Kg	☼	04/02/14 15:30	04/04/14 00:20	1
Calcium	**40000**	**B**	11	3.1	mg/Kg	☼	04/02/14 15:30	04/04/14 00:20	1
Chromium	**20**		0.56	0.065	mg/Kg	☼	04/02/14 15:30	04/04/14 00:20	1
Cobalt	**13**		0.28	0.056	mg/Kg	☼	04/02/14 15:30	04/04/14 00:20	1
Copper	**32**		0.56	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 00:20	1
Iron	**22000**		11	4.6	mg/Kg	☼	04/02/14 15:30	04/04/14 00:20	1
Lead	**17**	**B**	0.28	0.084	mg/Kg	☼	04/02/14 15:30	04/04/14 00:20	1
Magnesium	**21000**	**B**	5.6	1.2	mg/Kg	☼	04/02/14 15:30	04/04/14 00:20	1
Manganese	**380**		0.56	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 00:20	1
Nickel	**28**	**^**	0.56	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 00:20	1
Potassium	**3200**		28	1.7	mg/Kg	☼	04/02/14 15:30	04/04/14 00:20	1
Selenium	<0.56		0.56	0.20	mg/Kg	☼	04/02/14 15:30	04/04/14 00:20	1
Silver	**0.026**	**J**	0.28	0.020	mg/Kg	☼	04/02/14 15:30	04/04/14 00:20	1
Sodium	**1400**		56	7.6	mg/Kg	☼	04/02/14 15:30	04/04/14 00:20	1
Thallium	**0.39**	**J**	0.56	0.24	mg/Kg	☼	04/02/14 15:30	04/04/14 00:20	1
Vanadium	**26**		0.28	0.042	mg/Kg	☼	04/02/14 15:30	04/04/14 00:20	1
Zinc	**48**		1.1	0.23	mg/Kg	☼	04/02/14 15:30	04/04/14 00:20	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.040**	**J B**	0.20	0.020	ug/L		04/04/14 15:00	04/07/14 12:34	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.15**	**J**	0.20	0.020	ug/L		04/07/14 16:10	04/08/14 10:02	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**7.7**	**J**	18	7.1	ug/Kg	☼	04/02/14 14:30	04/03/14 09:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.23**		0.200	0.200	SU			04/06/14 13:12	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: ID-3(0-5)-040114D
Date Collected: 04/01/14 08:50
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-2
Matrix: Solid
Percent Solids: 82.6

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	13		6.1	2.6	ug/Kg	☼		04/02/14 13:21	1
Benzene	<6.1		6.1	0.83	ug/Kg	☼		04/02/14 13:21	1
Bromodichloromethane	<6.1		6.1	1.0	ug/Kg	☼		04/02/14 13:21	1
Bromoform	<6.1		6.1	1.4	ug/Kg	☼		04/02/14 13:21	1
Bromomethane	<6.1		6.1	1.8	ug/Kg	☼		04/02/14 13:21	1
Carbon disulfide	<6.1		6.1	0.90	ug/Kg	☼		04/02/14 13:21	1
Carbon tetrachloride	<6.1		6.1	1.1	ug/Kg	☼		04/02/14 13:21	1
Chlorobenzene	<6.1		6.1	0.61	ug/Kg	☼		04/02/14 13:21	1
Chloroethane	<6.1	*	6.1	1.6	ug/Kg	☼		04/02/14 13:21	1
Chloroform	<6.1		6.1	0.70	ug/Kg	☼		04/02/14 13:21	1
Chloromethane	<6.1		6.1	1.3	ug/Kg	☼		04/02/14 13:21	1
cis-1,2-Dichloroethene	<6.1		6.1	0.86	ug/Kg	☼		04/02/14 13:21	1
cis-1,3-Dichloropropene	<6.1		6.1	0.79	ug/Kg	☼		04/02/14 13:21	1
Dibromochloromethane	<6.1		6.1	1.1	ug/Kg	☼		04/02/14 13:21	1
1,1-Dichloroethane	<6.1		6.1	0.96	ug/Kg	☼		04/02/14 13:21	1
1,2-Dichloroethane	<6.1		6.1	0.90	ug/Kg	☼		04/02/14 13:21	1
1,1-Dichloroethene	<6.1		6.1	0.98	ug/Kg	☼		04/02/14 13:21	1
1,2-Dichloropropane	<6.1		6.1	0.92	ug/Kg	☼		04/02/14 13:21	1
1,3-Dichloropropene, Total	<6.1		6.1	0.79	ug/Kg	☼		04/02/14 13:21	1
Ethylbenzene	<6.1		6.1	1.2	ug/Kg	☼		04/02/14 13:21	1
2-Hexanone	<6.1		6.1	1.7	ug/Kg	☼		04/02/14 13:21	1
Methylene Chloride	<6.1		6.1	1.6	ug/Kg	☼		04/02/14 13:21	1
Methyl Ethyl Ketone	<6.1		6.1	2.2	ug/Kg	☼		04/02/14 13:21	1
methyl isobutyl ketone	<6.1		6.1	1.6	ug/Kg	☼		04/02/14 13:21	1
Methyl tert-butyl ether	<6.1		6.1	1.0	ug/Kg	☼		04/02/14 13:21	1
Styrene	<6.1		6.1	0.79	ug/Kg	☼		04/02/14 13:21	1
1,1,2,2-Tetrachloroethane	<6.1		6.1	1.2	ug/Kg	☼		04/02/14 13:21	1
Tetrachloroethene	<6.1		6.1	0.93	ug/Kg	☼		04/02/14 13:21	1
Toluene	<6.1		6.1	0.85	ug/Kg	☼		04/02/14 13:21	1
trans-1,2-Dichloroethene	<6.1		6.1	0.83	ug/Kg	☼		04/02/14 13:21	1
trans-1,3-Dichloropropene	<6.1		6.1	1.1	ug/Kg	☼		04/02/14 13:21	1
1,1,1-Trichloroethane	<6.1		6.1	0.90	ug/Kg	☼		04/02/14 13:21	1
1,1,2-Trichloroethane	<6.1		6.1	0.83	ug/Kg	☼		04/02/14 13:21	1
Trichloroethene	<6.1		6.1	1.0	ug/Kg	☼		04/02/14 13:21	1
Vinyl chloride	<6.1		6.1	1.3	ug/Kg	☼		04/02/14 13:21	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		04/02/14 13:21	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*89*		*70 - 122*		*04/02/14 13:21*	*1*
Dibromofluoromethane	*109*		*75 - 120*		*04/02/14 13:21*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 134*		*04/02/14 13:21*	*1*
Toluene-d8 (Surr)	*101*		*75 - 122*		*04/02/14 13:21*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1

Client Sample ID: ID-3(0-5)-040114D
Date Collected: 04/01/14 08:50
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-2
Matrix: Solid
Percent Solids: 82.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
2-Methylnaphthalene	**28**	**J**	39	7.2	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
2-Methylphenol	<200		200	63	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
2-Nitroaniline	<200		200	53	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
4,6-Dinitro-2-methylphenol	<390		390	310	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
4-Bromophenyl phenyl ether	<200		200	52	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Acenaphthene	<39		39	7.0	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Acenaphthylene	<39		39	5.2	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Anthracene	**10**	**J**	39	6.5	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Benzo[a]anthracene	**16**	**J**	39	5.3	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Benzo[a]pyrene	<39		39	7.6	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Benzo[b]fluoranthene	**24**	**J**	39	8.4	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Benzo[g,h,i]perylene	**22**	**J**	39	13	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Benzo[k]fluoranthene	<39		39	12	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Bis(2-chloroethyl)ether	<200		200	59	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Carbazole	<200		200	100	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Chrysene	**26**	**J**	39	11	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Dibenz(a,h)anthracene	<39		39	7.6	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Dibenzofuran	<200		200	46	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Di-n-butyl phthalate	<200		200	60	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Fluoranthene	**30**	**J**	39	7.3	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Fluorene	**10**	**J**	39	5.5	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Hexachlorobenzene	<79		79	9.1	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Hexachloroethane	<200		200	59	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1

Client Sample ID: ID-3(0-5)-040114D
Date Collected: 04/01/14 08:50
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-2
Matrix: Solid
Percent Solids: 82.6

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Isophorone	<200		200	44	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Naphthalene	<39		39	6.0	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Nitrobenzene	<39		39	9.8	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Phenanthrene	**39**		39	5.5	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Phenol	<200		200	87	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1
Pyrene	**52**		39	7.8	ug/Kg	☼	04/03/14 07:22	04/04/14 12:15	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*77*		*35 - 137*	*04/03/14 07:22*	*04/04/14 12:15*	*1*
2-Fluorobiphenyl	*69*		*25 - 119*	*04/03/14 07:22*	*04/04/14 12:15*	*1*
2-Fluorophenol	*55*		*25 - 110*	*04/03/14 07:22*	*04/04/14 12:15*	*1*
Nitrobenzene-d5	*53*		*25 - 115*	*04/03/14 07:22*	*04/04/14 12:15*	*1*
Phenol-d5	*66*		*31 - 110*	*04/03/14 07:22*	*04/04/14 12:15*	*1*
Terphenyl-d14	*101*		*36 - 134*	*04/03/14 07:22*	*04/04/14 12:15*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 17:20	1
Barium	**0.78**		0.50	0.050	mg/L		04/04/14 10:15	04/04/14 17:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/14 10:15	04/04/14 17:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/14 10:15	04/04/14 17:20	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:20	1
Cobalt	**0.015**	**J**	0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:20	1
Copper	**0.021**	**J**	0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:20	1
Iron	<0.20		0.20	0.20	mg/L		04/04/14 10:15	04/04/14 17:20	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/04/14 10:15	04/04/14 17:20	1
Manganese	**3.4**		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:20	1
Nickel	**0.014**	**J**	0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:20	1
Selenium	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 17:20	1
Silver	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:20	1
Zinc	**0.18**		0.10	0.020	mg/L		04/04/14 10:15	04/04/14 17:20	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/07/14 23:07	1
Barium	**0.33**	**J**	0.50	0.050	mg/L		04/07/14 09:00	04/07/14 23:07	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:00	04/07/14 23:07	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:00	04/07/14 23:07	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:07	1
Cobalt	**0.012**	**J**	0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:07	1
Copper	**0.033**		0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:07	1
Iron	**2.2**		0.20	0.20	mg/L		04/07/14 09:00	04/07/14 23:07	1
Lead	**0.019**		0.0075	0.0075	mg/L		04/07/14 09:00	04/07/14 23:07	1
Manganese	**0.81**		0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:07	1
Nickel	**0.011**	**J**	0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:07	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/07/14 23:07	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: ID-3(0-5)-040114D
Date Collected: 04/01/14 08:50
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-2
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:07	1
Zinc	0.26		0.10	0.020	mg/L		04/07/14 09:00	04/07/14 23:07	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.47	mg/Kg	☼	04/02/14 15:30	04/04/14 01:06	1
Arsenic	7.9		0.59	0.12	mg/Kg	☼	04/02/14 15:30	04/04/14 01:06	1
Barium	57		0.59	0.063	mg/Kg	☼	04/02/14 15:30	04/04/14 01:06	1
Beryllium	0.61		0.24	0.047	mg/Kg	☼	04/02/14 15:30	04/04/14 01:06	1
Cadmium	0.70		0.12	0.015	mg/Kg	☼	04/02/14 15:30	04/04/14 01:06	1
Calcium	32000	B	12	3.2	mg/Kg	☼	04/02/14 15:30	04/04/14 01:06	1
Chromium	18		0.59	0.068	mg/Kg	☼	04/02/14 15:30	04/04/14 01:06	1
Cobalt	9.7		0.29	0.059	mg/Kg	☼	04/02/14 15:30	04/04/14 01:06	1
Copper	27		0.59	0.12	mg/Kg	☼	04/02/14 15:30	04/04/14 01:06	1
Iron	19000		12	4.8	mg/Kg	☼	04/02/14 15:30	04/04/14 01:06	1
Lead	14	B	0.29	0.088	mg/Kg	☼	04/02/14 15:30	04/04/14 01:06	1
Magnesium	17000	B	5.9	1.2	mg/Kg	☼	04/02/14 15:30	04/04/14 01:06	1
Manganese	300		0.59	0.12	mg/Kg	☼	04/02/14 15:30	04/04/14 01:06	1
Nickel	25	^	0.59	0.12	mg/Kg	☼	04/02/14 15:30	04/04/14 01:06	1
Potassium	3100		29	1.8	mg/Kg	☼	04/02/14 15:30	04/04/14 01:06	1
Selenium	<0.59		0.59	0.21	mg/Kg	☼	04/02/14 15:30	04/04/14 01:06	1
Silver	<0.29		0.29	0.021	mg/Kg	☼	04/02/14 15:30	04/04/14 01:06	1
Sodium	1400		59	7.9	mg/Kg	☼	04/02/14 15:30	04/04/14 01:06	1
Thallium	0.36	J	0.59	0.25	mg/Kg	☼	04/02/14 15:30	04/04/14 01:06	1
Vanadium	24		0.29	0.044	mg/Kg	☼	04/02/14 15:30	04/04/14 01:06	1
Zinc	42		1.2	0.24	mg/Kg	☼	04/02/14 15:30	04/04/14 01:06	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.041	J B	0.20	0.020	ug/L		04/04/14 15:00	04/07/14 12:36	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.11	J	0.20	0.020	ug/L		04/07/14 16:10	04/08/14 10:04	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	17	J	19	7.3	ug/Kg	☼	04/02/14 14:30	04/03/14 09:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.91		0.200	0.200	SU			04/06/14 13:14	1

Client Sample ID: ID-3(5-9)-040114
Date Collected: 04/01/14 09:00
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-3
Matrix: Solid
Percent Solids: 83.2

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	<60		60	26	ug/Kg	☼		04/02/14 20:07	10
Benzene	<60		60	8.2	ug/Kg	☼		04/02/14 20:07	10
Bromodichloromethane	<60		60	10	ug/Kg	☼		04/02/14 20:07	10
Bromoform	<60		60	14	ug/Kg	☼		04/02/14 20:07	10
Bromomethane	<60		60	18	ug/Kg	☼		04/02/14 20:07	10
Carbon disulfide	<60		60	9.0	ug/Kg	☼		04/02/14 20:07	10
Carbon tetrachloride	<60		60	11	ug/Kg	☼		04/02/14 20:07	10
Chlorobenzene	<60		60	6.1	ug/Kg	☼		04/02/14 20:07	10
Chloroethane	<60	*	60	16	ug/Kg	☼		04/02/14 20:07	10
Chloroform	<60		60	6.9	ug/Kg	☼		04/02/14 20:07	10
Chloromethane	<60		60	13	ug/Kg	☼		04/02/14 20:07	10
cis-1,2-Dichloroethene	<60		60	8.5	ug/Kg	☼		04/02/14 20:07	10
cis-1,3-Dichloropropene	<60		60	7.9	ug/Kg	☼		04/02/14 20:07	10
Dibromochloromethane	<60		60	10	ug/Kg	☼		04/02/14 20:07	10
1,1-Dichloroethane	<60		60	9.5	ug/Kg	☼		04/02/14 20:07	10
1,2-Dichloroethane	<60		60	8.9	ug/Kg	☼		04/02/14 20:07	10
1,1-Dichloroethene	<60		60	9.7	ug/Kg	☼		04/02/14 20:07	10
1,2-Dichloropropane	<60		60	9.1	ug/Kg	☼		04/02/14 20:07	10
1,3-Dichloropropene, Total	<60		60	7.9	ug/Kg	☼		04/02/14 20:07	10
Ethylbenzene	**120**		60	12	ug/Kg	☼		04/02/14 20:07	10
2-Hexanone	<60		60	17	ug/Kg	☼		04/02/14 20:07	10
Methylene Chloride	<60		60	16	ug/Kg	☼		04/02/14 20:07	10
Methyl Ethyl Ketone	<60		60	22	ug/Kg	☼		04/02/14 20:07	10
methyl isobutyl ketone	<60		60	16	ug/Kg	☼		04/02/14 20:07	10
Methyl tert-butyl ether	<60		60	9.9	ug/Kg	☼		04/02/14 20:07	10
Styrene	<60		60	7.9	ug/Kg	☼		04/02/14 20:07	10
1,1,2,2-Tetrachloroethane	<60		60	12	ug/Kg	☼		04/02/14 20:07	10
Tetrachloroethene	<60		60	9.2	ug/Kg	☼		04/02/14 20:07	10
Toluene	<60		60	8.4	ug/Kg	☼		04/02/14 20:07	10
trans-1,2-Dichloroethene	<60		60	8.3	ug/Kg	☼		04/02/14 20:07	10
trans-1,3-Dichloropropene	<60		60	11	ug/Kg	☼		04/02/14 20:07	10
1,1,1-Trichloroethane	<60		60	9.0	ug/Kg	☼		04/02/14 20:07	10
1,1,2-Trichloroethane	<60		60	8.2	ug/Kg	☼		04/02/14 20:07	10
Trichloroethene	<60		60	9.9	ug/Kg	☼		04/02/14 20:07	10
Vinyl chloride	<60		60	13	ug/Kg	☼		04/02/14 20:07	10
Xylenes, Total	<120		120	5.4	ug/Kg	☼		04/02/14 20:07	10

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*109*		*70 - 122*		*04/02/14 20:07*	*10*
Dibromofluoromethane	*110*		*75 - 120*		*04/02/14 20:07*	*10*
1,2-Dichloroethane-d4 (Surr)	*103*		*70 - 134*		*04/02/14 20:07*	*10*
Toluene-d8 (Surr)	*102*		*75 - 122*		*04/02/14 20:07*	*10*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	42	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
1,2-Dichlorobenzene	<200		200	47	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
1,3-Dichlorobenzene	<200		200	44	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
1,4-Dichlorobenzene	<200		200	50	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
2,2'-oxybis[1-chloropropane]	<200		200	45	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: ID-3(5-9)-040114
Date Collected: 04/01/14 09:00
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-3
Matrix: Solid
Percent Solids: 83.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<390		390	89	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
2,4,6-Trichlorophenol	<390		390	130	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
2,4-Dichlorophenol	<390		390	93	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
2,4-Dimethylphenol	<390		390	150	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
2,4-Dinitrophenol	<790		790	690	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
2,4-Dinitrotoluene	<200		200	62	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
2,6-Dinitrotoluene	<200		200	77	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
2-Chloronaphthalene	<200		200	43	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
2-Chlorophenol	<200		200	67	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
2-Methylnaphthalene	**890**		39	7.2	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
2-Methylphenol	<200		200	63	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
2-Nitroaniline	<200		200	52	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
2-Nitrophenol	<390		390	92	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
3 & 4 Methylphenol	<200		200	65	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
3,3'-Dichlorobenzidine	<200		200	55	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
3-Nitroaniline	<390		390	120	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
4,6-Dinitro-2-methylphenol	<390		390	310	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
4-Bromophenyl phenyl ether	<200		200	51	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
4-Chloro-3-methylphenol	<390		390	130	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
4-Chloroaniline	<790		790	180	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
4-Chlorophenyl phenyl ether	<200		200	46	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
4-Nitroaniline	<390		390	160	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
4-Nitrophenol	<790		790	370	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Acenaphthene	**17**	**J**	39	7.0	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Acenaphthylene	<39		39	5.1	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Anthracene	<39		39	6.5	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Benzo[a]anthracene	<39		39	5.2	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Benzo[a]pyrene	<39		39	7.5	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Benzo[b]fluoranthene	**12**	**J**	39	8.4	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Benzo[g,h,i]perylene	**17**	**J**	39	13	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Benzo[k]fluoranthene	<39		39	11	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Bis(2-chloroethoxy)methane	<200		200	40	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Bis(2-chloroethyl)ether	<200		200	58	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Bis(2-ethylhexyl) phthalate	<200		200	71	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Butyl benzyl phthalate	<200		200	74	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Carbazole	<200		200	100	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Chrysene	**12**	**J**	39	11	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Dibenz(a,h)anthracene	<39		39	7.5	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Dibenzofuran	<200		200	46	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Diethyl phthalate	<200		200	66	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Dimethyl phthalate	<200		200	51	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Di-n-butyl phthalate	<200		200	59	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Di-n-octyl phthalate	<200		200	64	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Fluoranthene	**11**	**J**	39	7.2	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Fluorene	**30**	**J**	39	5.5	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Hexachlorobenzene	<79		79	9.0	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Hexachlorobutadiene	<200		200	61	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Hexachlorocyclopentadiene	<790		790	220	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Hexachloroethane	<200		200	59	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: ID-3(5-9)-040114
Date Collected: 04/01/14 09:00
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-3
Matrix: Solid
Percent Solids: 83.2

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<39		39	10	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Isophorone	<200		200	44	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Naphthalene	**250**		39	6.0	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Nitrobenzene	<39		39	9.7	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
N-Nitrosodi-n-propylamine	<200		200	48	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
N-Nitrosodiphenylamine	<200		200	46	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Pentachlorophenol	<790		790	630	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Phenanthrene	**25**	**J**	39	5.4	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Phenol	<200		200	87	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1
Pyrene	**22**	**J**	39	7.7	ug/Kg	☼	04/03/14 07:22	04/04/14 12:37	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*60*		*35 - 137*	*04/03/14 07:22*	*04/04/14 12:37*	*1*
2-Fluorobiphenyl	*53*		*25 - 119*	*04/03/14 07:22*	*04/04/14 12:37*	*1*
2-Fluorophenol	*40*		*25 - 110*	*04/03/14 07:22*	*04/04/14 12:37*	*1*
Nitrobenzene-d5	*38*		*25 - 115*	*04/03/14 07:22*	*04/04/14 12:37*	*1*
Phenol-d5	*48*		*31 - 110*	*04/03/14 07:22*	*04/04/14 12:37*	*1*
Terphenyl-d14	*90*		*36 - 134*	*04/03/14 07:22*	*04/04/14 12:37*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 17:26	1
Barium	**0.60**		0.50	0.050	mg/L		04/04/14 10:15	04/04/14 17:26	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/14 10:15	04/04/14 17:26	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/14 10:15	04/04/14 17:26	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:26	1
Cobalt	**0.015**	**J**	0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:26	1
Copper	**0.026**		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:26	1
Iron	<0.20		0.20	0.20	mg/L		04/04/14 10:15	04/04/14 17:26	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/04/14 10:15	04/04/14 17:26	1
Manganese	**2.9**		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:26	1
Nickel	**0.015**	**J**	0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:26	1
Selenium	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 17:26	1
Silver	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:26	1
Zinc	**0.16**		0.10	0.020	mg/L		04/04/14 10:15	04/04/14 17:26	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/07/14 23:13	1
Barium	**0.26**	**J**	0.50	0.050	mg/L		04/07/14 09:00	04/07/14 23:13	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:00	04/07/14 23:13	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:00	04/07/14 23:13	1
Chromium	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:13	1
Cobalt	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:13	1
Copper	**0.019**	**J**	0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:13	1
Iron	**0.71**		0.20	0.20	mg/L		04/07/14 09:00	04/07/14 23:13	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/07/14 09:00	04/07/14 23:13	1
Manganese	**0.28**		0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:13	1
Nickel	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:13	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/07/14 23:13	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: ID-3(5-9)-040114
Date Collected: 04/01/14 09:00
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-3
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:13	1
Zinc	**0.32**		0.10	0.020	mg/L		04/07/14 09:00	04/07/14 23:13	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<1.2		1.2	0.48	mg/Kg	☼	04/02/14 15:30	04/04/14 01:12	1
Arsenic	**8.1**		0.60	0.12	mg/Kg	☼	04/02/14 15:30	04/04/14 01:12	1
Barium	**54**		0.60	0.064	mg/Kg	☼	04/02/14 15:30	04/04/14 01:12	1
Beryllium	**0.67**		0.24	0.048	mg/Kg	☼	04/02/14 15:30	04/04/14 01:12	1
Cadmium	**0.90**		0.12	0.015	mg/Kg	☼	04/02/14 15:30	04/04/14 01:12	1
Calcium	**51000**	**B**	12	3.2	mg/Kg	☼	04/02/14 15:30	04/04/14 01:12	1
Chromium	**21**		0.60	0.070	mg/Kg	☼	04/02/14 15:30	04/04/14 01:12	1
Cobalt	**10**		0.30	0.060	mg/Kg	☼	04/02/14 15:30	04/04/14 01:12	1
Copper	**27**		0.60	0.12	mg/Kg	☼	04/02/14 15:30	04/04/14 01:12	1
Iron	**21000**		12	4.9	mg/Kg	☼	04/02/14 15:30	04/04/14 01:12	1
Lead	**12**	**B**	0.30	0.089	mg/Kg	☼	04/02/14 15:30	04/04/14 01:12	1
Magnesium	**25000**	**B**	6.0	1.2	mg/Kg	☼	04/02/14 15:30	04/04/14 01:12	1
Manganese	**330**		0.60	0.12	mg/Kg	☼	04/02/14 15:30	04/04/14 01:12	1
Nickel	**28**	**^**	0.60	0.12	mg/Kg	☼	04/02/14 15:30	04/04/14 01:12	1
Potassium	**4100**		30	1.8	mg/Kg	☼	04/02/14 15:30	04/04/14 01:12	1
Selenium	<0.60		0.60	0.21	mg/Kg	☼	04/02/14 15:30	04/04/14 01:12	1
Silver	<0.30		0.30	0.022	mg/Kg	☼	04/02/14 15:30	04/04/14 01:12	1
Sodium	**260**		60	8.0	mg/Kg	☼	04/02/14 15:30	04/04/14 01:12	1
Thallium	**0.47**	**J**	0.60	0.25	mg/Kg	☼	04/02/14 15:30	04/04/14 01:12	1
Vanadium	**26**		0.30	0.044	mg/Kg	☼	04/02/14 15:30	04/04/14 01:12	1
Zinc	**47**		1.2	0.24	mg/Kg	☼	04/02/14 15:30	04/04/14 01:12	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.043**	**J B**	0.20	0.020	ug/L		04/04/14 15:00	04/07/14 12:46	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.20		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 10:06	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**28**		20	7.9	ug/Kg	☼	04/02/14 14:30	04/03/14 09:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.74**		0.200	0.200	SU			04/06/14 13:16	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: ID-5(0-5)-040114
Date Collected: 04/01/14 09:20
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-4
Matrix: Solid
Percent Solids: 83.1

Method: 8260B - VOC

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Acetone	**23**		6.0	2.6	ug/Kg	☼		04/02/14 13:45	1
Benzene	<6.0		6.0	0.82	ug/Kg	☼		04/02/14 13:45	1
Bromodichloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/02/14 13:45	1
Bromoform	<6.0		6.0	1.4	ug/Kg	☼		04/02/14 13:45	1
Bromomethane	<6.0		6.0	1.8	ug/Kg	☼		04/02/14 13:45	1
Carbon disulfide	<6.0		6.0	0.90	ug/Kg	☼		04/02/14 13:45	1
Carbon tetrachloride	<6.0		6.0	1.1	ug/Kg	☼		04/02/14 13:45	1
Chlorobenzene	<6.0		6.0	0.61	ug/Kg	☼		04/02/14 13:45	1
Chloroethane	<6.0	*	6.0	1.6	ug/Kg	☼		04/02/14 13:45	1
Chloroform	<6.0		6.0	0.69	ug/Kg	☼		04/02/14 13:45	1
Chloromethane	<6.0		6.0	1.3	ug/Kg	☼		04/02/14 13:45	1
cis-1,2-Dichloroethene	<6.0		6.0	0.85	ug/Kg	☼		04/02/14 13:45	1
cis-1,3-Dichloropropene	<6.0		6.0	0.79	ug/Kg	☼		04/02/14 13:45	1
Dibromochloromethane	<6.0		6.0	1.0	ug/Kg	☼		04/02/14 13:45	1
1,1-Dichloroethane	<6.0		6.0	0.95	ug/Kg	☼		04/02/14 13:45	1
1,2-Dichloroethane	<6.0		6.0	0.89	ug/Kg	☼		04/02/14 13:45	1
1,1-Dichloroethene	<6.0		6.0	0.97	ug/Kg	☼		04/02/14 13:45	1
1,2-Dichloropropane	<6.0		6.0	0.91	ug/Kg	☼		04/02/14 13:45	1
1,3-Dichloropropene, Total	<6.0		6.0	0.79	ug/Kg	☼		04/02/14 13:45	1
Ethylbenzene	<6.0		6.0	1.2	ug/Kg	☼		04/02/14 13:45	1
2-Hexanone	<6.0		6.0	1.7	ug/Kg	☼		04/02/14 13:45	1
Methylene Chloride	<6.0		6.0	1.6	ug/Kg	☼		04/02/14 13:45	1
Methyl Ethyl Ketone	**5.5**	**J**	6.0	2.2	ug/Kg	☼		04/02/14 13:45	1
methyl isobutyl ketone	<6.0		6.0	1.6	ug/Kg	☼		04/02/14 13:45	1
Methyl tert-butyl ether	<6.0		6.0	0.99	ug/Kg	☼		04/02/14 13:45	1
Styrene	<6.0		6.0	0.79	ug/Kg	☼		04/02/14 13:45	1
1,1,2,2-Tetrachloroethane	<6.0		6.0	1.2	ug/Kg	☼		04/02/14 13:45	1
Tetrachloroethene	<6.0		6.0	0.92	ug/Kg	☼		04/02/14 13:45	1
Toluene	<6.0		6.0	0.84	ug/Kg	☼		04/02/14 13:45	1
trans-1,2-Dichloroethene	<6.0		6.0	0.83	ug/Kg	☼		04/02/14 13:45	1
trans-1,3-Dichloropropene	<6.0		6.0	1.1	ug/Kg	☼		04/02/14 13:45	1
1,1,1-Trichloroethane	<6.0		6.0	0.90	ug/Kg	☼		04/02/14 13:45	1
1,1,2-Trichloroethane	<6.0		6.0	0.82	ug/Kg	☼		04/02/14 13:45	1
Trichloroethene	<6.0		6.0	0.99	ug/Kg	☼		04/02/14 13:45	1
Vinyl chloride	<6.0		6.0	1.3	ug/Kg	☼		04/02/14 13:45	1
Xylenes, Total	<12		12	0.55	ug/Kg	☼		04/02/14 13:45	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene (Surr)	*90*		*70 - 122*		*04/02/14 13:45*	*1*
Dibromofluoromethane	*112*		*75 - 120*		*04/02/14 13:45*	*1*
1,2-Dichloroethane-d4 (Surr)	*106*		*70 - 134*		*04/02/14 13:45*	*1*
Toluene-d8 (Surr)	*98*		*75 - 122*		*04/02/14 13:45*	*1*

Method: 8270D - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
1,2,4-Trichlorobenzene	<200		200	43	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
1,2-Dichlorobenzene	<200		200	48	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
1,3-Dichlorobenzene	<200		200	45	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
1,4-Dichlorobenzene	<200		200	51	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
2,2'-oxybis[1-chloropropane]	<200		200	46	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1

Client Sample ID: ID-5(0-5)-040114
Date Collected: 04/01/14 09:20
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-4
Matrix: Solid
Percent Solids: 83.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
2,4,5-Trichlorophenol	<400		400	91	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
2,4,6-Trichlorophenol	<400		400	140	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
2,4-Dichlorophenol	<400		400	95	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
2,4-Dimethylphenol	<400		400	150	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
2,4-Dinitrophenol	<810		810	700	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
2,4-Dinitrotoluene	<200		200	63	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
2,6-Dinitrotoluene	<200		200	79	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
2-Chloronaphthalene	<200		200	44	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
2-Chlorophenol	<200		200	68	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
2-Methylnaphthalene	**8.3**	**J**	40	7.3	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
2-Methylphenol	<200		200	64	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
2-Nitroaniline	<200		200	54	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
2-Nitrophenol	<400		400	94	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
3 & 4 Methylphenol	<200		200	67	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
3,3'-Dichlorobenzidine	<200		200	56	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
3-Nitroaniline	<400		400	120	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
4,6-Dinitro-2-methylphenol	<400		400	320	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
4-Bromophenyl phenyl ether	<200		200	53	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
4-Chloro-3-methylphenol	<400		400	140	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
4-Chloroaniline	<810		810	190	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
4-Chlorophenyl phenyl ether	<200		200	47	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
4-Nitroaniline	<400		400	170	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
4-Nitrophenol	<810		810	380	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Acenaphthene	**44**		40	7.2	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Acenaphthylene	**19**	**J**	40	5.3	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Anthracene	<40		40	6.7	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Benzo[a]anthracene	<40		40	5.4	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Benzo[a]pyrene	<40		40	7.7	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Benzo[b]fluoranthene	<40		40	8.6	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Benzo[g,h,i]perylene	<40		40	13	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Benzo[k]fluoranthene	<40		40	12	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Bis(2-chloroethoxy)methane	<200		200	41	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Bis(2-chloroethyl)ether	<200		200	60	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Bis(2-ethylhexyl) phthalate	<200		200	73	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Butyl benzyl phthalate	<200		200	76	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Carbazole	<200		200	100	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Chrysene	<40		40	11	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Dibenz(a,h)anthracene	<40		40	7.7	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Dibenzofuran	<200		200	47	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Diethyl phthalate	<200		200	68	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Dimethyl phthalate	<200		200	52	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Di-n-butyl phthalate	<200		200	61	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Di-n-octyl phthalate	<200		200	65	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Fluoranthene	**9.1**	**J**	40	7.4	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Fluorene	**75**		40	5.6	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Hexachlorobenzene	<81		81	9.3	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Hexachlorobutadiene	<200		200	63	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Hexachlorocyclopentadiene	<810		810	230	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Hexachloroethane	<200		200	61	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Client Sample ID: ID-5(0-5)-040114
Date Collected: 04/01/14 09:20
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-4
Matrix: Solid
Percent Solids: 83.1

Method: 8270D - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Indeno[1,2,3-cd]pyrene	<40		40	10	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Isophorone	<200		200	45	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Naphthalene	<40		40	6.1	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Nitrobenzene	<40		40	10	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
N-Nitrosodi-n-propylamine	<200		200	49	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
N-Nitrosodiphenylamine	<200		200	47	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Pentachlorophenol	<810		810	640	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Phenanthrene	**190**		40	5.6	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Phenol	<200		200	89	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1
Pyrene	**14**	**J**	40	7.9	ug/Kg	☼	04/03/14 07:22	04/04/14 13:00	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2,4,6-Tribromophenol	*69*		*35 - 137*	*04/03/14 07:22*	*04/04/14 13:00*	*1*
2-Fluorobiphenyl	*55*		*25 - 119*	*04/03/14 07:22*	*04/04/14 13:00*	*1*
2-Fluorophenol	*41*		*25 - 110*	*04/03/14 07:22*	*04/04/14 13:00*	*1*
Nitrobenzene-d5	*43*		*25 - 115*	*04/03/14 07:22*	*04/04/14 13:00*	*1*
Phenol-d5	*51*		*31 - 110*	*04/03/14 07:22*	*04/04/14 13:00*	*1*
Terphenyl-d14	*86*		*36 - 134*	*04/03/14 07:22*	*04/04/14 13:00*	*1*

Method: 6010B - Metals (ICP) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 17:32	1
Barium	**0.66**		0.50	0.050	mg/L		04/04/14 10:15	04/04/14 17:32	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/04/14 10:15	04/04/14 17:32	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/04/14 10:15	04/04/14 17:32	1
Chromium	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:32	1
Cobalt	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:32	1
Copper	**0.027**		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:32	1
Iron	<0.20		0.20	0.20	mg/L		04/04/14 10:15	04/04/14 17:32	1
Lead	<0.0075		0.0075	0.0075	mg/L		04/04/14 10:15	04/04/14 17:32	1
Manganese	**3.7**		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:32	1
Nickel	**0.011**	**J**	0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:32	1
Selenium	<0.050		0.050	0.010	mg/L		04/04/14 10:15	04/04/14 17:32	1
Silver	<0.025		0.025	0.010	mg/L		04/04/14 10:15	04/04/14 17:32	1
Zinc	**0.16**		0.10	0.020	mg/L		04/04/14 10:15	04/04/14 17:32	1

Method: 6010B - Metals (ICP) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/07/14 23:20	1
Barium	**0.55**		0.50	0.050	mg/L		04/07/14 09:00	04/07/14 23:20	1
Beryllium	<0.0040		0.0040	0.0040	mg/L		04/07/14 09:00	04/07/14 23:20	1
Cadmium	<0.0050		0.0050	0.0020	mg/L		04/07/14 09:00	04/07/14 23:20	1
Chromium	**0.014**	**J**	0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:20	1
Cobalt	**0.023**	**J**	0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:20	1
Copper	**0.086**		0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:20	1
Iron	**8.6**		0.20	0.20	mg/L		04/07/14 09:00	04/07/14 23:20	1
Lead	**0.053**		0.0075	0.0075	mg/L		04/07/14 09:00	04/07/14 23:20	1
Manganese	**1.1**		0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:20	1
Nickel	**0.031**		0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:20	1
Selenium	<0.050		0.050	0.010	mg/L		04/07/14 09:00	04/07/14 23:20	1

Client Sample ID: ID-5(0-5)-040114
Date Collected: 04/01/14 09:20
Date Received: 04/01/14 15:45

Lab Sample ID: 500-74263-4
Matrix: Solid

Method: 6010B - Metals (ICP) - SPLP East (Continued)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Silver	<0.025		0.025	0.010	mg/L		04/07/14 09:00	04/07/14 23:20	1
Zinc	**0.34**		0.10	0.020	mg/L		04/07/14 09:00	04/07/14 23:20	1

Method: 6010B - Total Metals

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.57**	**J**	1.1	0.45	mg/Kg	☼	04/02/14 15:30	04/04/14 01:18	1
Arsenic	**11**		0.56	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 01:18	1
Barium	**56**		0.56	0.059	mg/Kg	☼	04/02/14 15:30	04/04/14 01:18	1
Beryllium	**0.64**		0.22	0.044	mg/Kg	☼	04/02/14 15:30	04/04/14 01:18	1
Cadmium	**0.92**		0.11	0.014	mg/Kg	☼	04/02/14 15:30	04/04/14 01:18	1
Calcium	**22000**	**B**	11	3.0	mg/Kg	☼	04/02/14 15:30	04/04/14 01:18	1
Chromium	**17**		0.56	0.064	mg/Kg	☼	04/02/14 15:30	04/04/14 01:18	1
Cobalt	**10**		0.28	0.056	mg/Kg	☼	04/02/14 15:30	04/04/14 01:18	1
Copper	**39**		0.56	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 01:18	1
Iron	**23000**		11	4.6	mg/Kg	☼	04/02/14 15:30	04/04/14 01:18	1
Lead	**17**	**B**	0.28	0.083	mg/Kg	☼	04/02/14 15:30	04/04/14 01:18	1
Magnesium	**15000**	**B**	5.6	1.1	mg/Kg	☼	04/02/14 15:30	04/04/14 01:18	1
Manganese	**280**		0.56	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 01:18	1
Nickel	**30**	**^**	0.56	0.11	mg/Kg	☼	04/02/14 15:30	04/04/14 01:18	1
Potassium	**2700**		28	1.7	mg/Kg	☼	04/02/14 15:30	04/04/14 01:18	1
Selenium	**0.22**	**J**	0.56	0.20	mg/Kg	☼	04/02/14 15:30	04/04/14 01:18	1
Silver	<0.28		0.28	0.020	mg/Kg	☼	04/02/14 15:30	04/04/14 01:18	1
Sodium	**850**		56	7.4	mg/Kg	☼	04/02/14 15:30	04/04/14 01:18	1
Thallium	**0.76**		0.56	0.23	mg/Kg	☼	04/02/14 15:30	04/04/14 01:18	1
Vanadium	**23**		0.28	0.041	mg/Kg	☼	04/02/14 15:30	04/04/14 01:18	1
Zinc	**53**		1.1	0.22	mg/Kg	☼	04/02/14 15:30	04/04/14 01:18	1

Method: 7470A - Mercury (CVAA) - TCLP

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.045**	**J B**	0.20	0.020	ug/L		04/04/14 15:00	04/07/14 12:48	1

Method: 7470A - Mercury (CVAA) - SPLP East

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**0.40**		0.20	0.020	ug/L		04/07/14 16:10	04/08/14 10:08	1

Method: 7471B - Mercury in Solid or Semisolid Waste (Manual Cold Vapor Technique)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	**48**		20	7.8	ug/Kg	☼	04/02/14 14:30	04/03/14 09:27	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**8.00**		0.200	0.200	SU			04/06/14 13:18	1

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
*	LCS or LCSD exceeds the control limits
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

GC/MS Semi VOA

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
F1	MS and/or MSD Recovery exceeds the control limits

Metals

Qualifier	Qualifier Description
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.
B	Compound was found in the blank and sample.
^	ICV,CCV,ICB,CCB, ISA, ISB, CRI, CRA, DLCK or MRL standard: Instrument related QC exceeds the control limits.
F3	Duplicate RPD exceeds the control limit
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD Recovery exceeds the control limits
F2	MS/MSD RPD exceeds control limits

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DER	Duplicate error ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision level concentration
MDA	Minimum detectable activity
EDL	Estimated Detection Limit
MDC	Minimum detectable concentration
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
NC	Not Calculated
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RER	Relative error ratio
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Certification Summary

Client: Weston Solutions, Inc.
Project/Site: IDOT - Lyons, McCook, Summit - 050

TestAmerica Job ID: 500-74263-1

Laboratory: TestAmerica Chicago

Unless otherwise noted, all analytes for this laboratory were covered under each certification below.

Authority	Program	EPA Region	Certification ID	Expiration Date
Illinois	NELAP	5	100201	04-30-15 *

The following analytes are included in this report, but certification is not offered by the governing authority:

Analysis Method	Prep Method	Matrix	Analyte
7470A	7470A	Solid	Mercury
8260B		Solid	1,3-Dichloropropene, Total
Moisture		Solid	Percent Moisture
Moisture		Solid	Percent Solids

* Expired certification is currently pending renewal and is considered valid.

TestAmerica

THE LEADER IN ENVIRONMENTA.

2417 Bond Street, University Park, IL 6(
Phone: 708.534.5200 Fax: 708.53

500-74263 COC

Chain of Custody Record

Lab Job #: 500-74263

Chain of Custody Number:

Page 1 of 3

Temperature °C of Cooler: (3.4) (3.7)

(optional)

Report To
Contact: S. Balasubramanian
Company: Weston Solutions Inc.
Address: 750 E Bunker Ct. Ste. 500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax: 847-918-4055
E-Mail:

(optional)

Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Client: Weston Solutions Inc.
Client Project #:
Project Name: IDOT 050-IL 171 from 47th Street to 55th St
Project Location/State: McCook/Summit IL
Lab Project #:
Sampler: M. Doheny-Slabic
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Preservative	Parameter: VOCs	SVOCs	TOTAL METALS	TCLP/SPLP METALS	pH	TOTAL ALUMINUM				Comments
1		ID-3(0-5)-040114	4-1-14	0850	2	S		X	X	X	X	X					
2		ID-3(0-5)-040114D		0850	2	S		X	X	X	X	X					
3		ID-3(5-9)-040114		0900	2	S		X	X	X	X	X					
4		ID-5(0-5)-040114		0920	2	S		X	X	X	X	X					
		ID-5(5-9)-040114			2	S		X	X	X	X	X					MDS
5		IP-1(0-2)-040114		0935	2	S		X	X	X	X	X	X				
6		IP-2(0-4)-040114		0945	2	S		X	X	X	X	X	X				
7		IP-5(0-2)-040114		1000	2	S		X	X	X	X	X	X				
8		ID-3(0-4)-040114		1020	2	S		X	X	X	X	X	X				
9		IP-3(0-4)-040114D	4-1-14	1020	2	S		X	X	X	X	X	X				

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston	4-1-14	1546	[signature]	TA	4/1/14	1545
[signature]	TA	4/1/14	1640	[signature]	TA	4/2/14	0700

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

2417 Bond Street, University Park, IL 60484
Phone: 708.534.5200 Fax: 708.534.5211

(optional)
Report To
Contact: S. Babusukumar
Company: Weston Solutions Inc.
Address: 750 E Bunker Ct. Ste-500
Address: Vernon Hills, IL 60061
Phone: 847-918-4018
Fax: 847-918-4035
E-Mail:

(optional)
Bill To
Contact: SAME
Company:
Address:
Address:
Phone:
Fax:
PO#/Reference#

Chain of Custody Record

Lab Job #: 500-74263
Chain of Custody Number:
Page 2 of 3
Temperature °C of Cooler:

Client: Weston Solutions Inc.
Client Project #:
Project Name: IDOT 050 - IL 171
Project Location/State: McCook/Summit, IL
Lab Project #:
Sampler: M. Doheny-Skiba
Lab PM: D. Wright

Preservative Key
1. HCL, Cool to 4°
2. H2SO4, Cool to 4°
3. HNO3, Cool to 4°
4. NaOH, Cool to 4°
5. NaOH/Zn, Cool to 4°
6. NaHSO4
7. Cool to 4°
8. None
9. Other

Lab ID	MS/MSD	Sample ID	Sampling Date	Sampling Time	# of Containers	Matrix	Parameter: VOCs	SVOCs	TOTAL METALS	TCLP/SPLP METALS	pH	TOTAL Aluminum				Comments
10		IP-4(0-2)-040114	4-1-14	1030	2	S	X	X	X	X	X	X				
11		IP-8(0-2)-040114	4-1-14	1045	2	S	X	X	X	X	X	X				
12		IP-10(0-2)-040114		1105	2	S	X	X	X	X	X	X				
13		EL-1(0-2)-040114		1145	2	S	X	X	X	X	X					
14		EL-7(0-5)-040114		1205	2	S	X	X	X	X	X					
15		EL-7(0-5)-040114D		1205	2	S	X	X	X	X	X					
16		IC-5(0-4)-040114		1205	2	S	X	X	X	X	X					
17		IC5(4-8)-040114		1310	2	S	X	X	X	X	X					
18		IT1-3(0-6)-040114		1330	2	S	X	X	X	X	X					
19		IT1-1(0-3.2)-040114	4-1-14	1345	2	S	X	X	X	X	X					

Turnaround Time Required (Business Days)
___ 1 Day ___ 2 Days ___ 5 Days ___ 7 Days ___ 10 Days ___ 15 Days Standard Other
Requested Due Date

Sample Disposal
[ ] Return to Client [X] Disposal by Lab [ ] Archive for ___ Months (A fee may be assessed if samples are retained longer than 1 month)

Relinquished By	Company	Date	Time	Received By	Company	Date	Time
[signature]	Weston	4-1-14	1546	[signature]	TA	4/1/14	1546
[signature]	TA	4/1/14	1648	[signature]	TA	4/2/14	0700

Lab Courier: TA
Shipped:
Hand Delivered:

Matrix Key
WW – Wastewater
W – Water
S – Soil
SL – Sludge
MS – Miscellaneous
OL – Oil
A – Air
SE – Sediment
SO – Soil
L – Leachate
WI – Wipe
DW – Drinking Water
O – Other

Client Comments:

Lab Comments:

TAL-4124-509 (0209)

4/11/2014